

ImmunoDiagnostics

# Product catalog

2023



## About us

Thermo Fisher Scientific is a leading provider of IVD tests for allergy and autoimmune diseases. As immunodiagnostic experts, we work to significantly improve the management of allergy, asthma, and autoimmune diseases. We do this by providing healthcare professionals with diagnostic technologies and clinical expertise, enabling better health care and leading to improved quality of life for millions of patients and their caregivers. For more information, please visit [thermofisher.com/phadia](https://www.thermofisher.com/phadia)

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All products mentioned herein are produced according to ISO 13485:2003.

Note: Products listed herein may not be approved for use in all countries.

Please contact your local sales representative for information about specific product availability.

## Available assays

### Allergy and asthma – ImmunoCAP

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Assay category & subcategory	Relevant disease area
<b>Immunoglobulin E (IgE)</b>	
Total IgE	allergy
Specific IgE	allergy, allergen sensitization, molecular allergology
Phadiatop, Phadiatop Infant	allergy, atopy
Rapid	allergy, allergen sensitization
ISAC	allergy, molecular allergology
<b>Immunoglobulin G (IgG)</b>	
Specific IgG	allergy, gastrointestinal disorders, immunotherapy, lung disease
Specific IgG4	allergy, immunotherapy
<b>Cellular markers</b>	
ECP	asthma
Tryptase	allergy, anaphylaxis, hematological disorders, immunotherapy

### Autoimmunity – EliA

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CCP, RF	rheumatoid arthritis
ANA / ENA, dsDNA, ssDNA	connective tissue diseases
ANCA, GBM	vasculitis, Goodpasture syndrome
Cardiolipin, β2GPI	antiphospholipid syndrome
tTG, Deamidated Gliadin Peptides	celiac disease
Calprotectin, ASCA	inflammatory bowel diseases
anti-TPO, anti-TG, anti-TSH-R	autoimmune thyroid diseases
M2	primary biliary cirrhosis
anti-IgA	immunodeficiency
Intrinsic Factor, Parietal Cell	vasculitis, Goodpasture syndrome

## Assay availability by instrument

	Phadia 100	Phadia 200	Phadia 250	Phadia 1000	Phadia 2500+	Phadia 5000+
<b>Allergy and asthma</b>						
ImmunoCAP Total IgE	✓	✓	✓	✓	✓	✓
ImmunoCAP Total IgE Low Range	✓	✓	✓	✓	✓	✓
ImmunoCAP Specific IgE	✓	✓	✓	✓	✓	✓
ImmunoCAP Phadiatop/Phadiatop Infant	✓	✓	✓	✓	✓	✓
ImmunoCAP Specific IgG/IgG4	-	✓	✓	✓	✓	✓
ImmunoCAP ECP	✓	✓	✓	✓	✓	✓
ImmunoCAP Tryptase	✓	-	✓	✓	-	-
<b>Autoimmunity</b>						
EliA CCP, RF	✓	✓	✓	-	✓	✓
EliA ANA/ENA, dsDNA, ssDNA	✓	✓	✓	-	✓	✓
EliA ANCA, GBM	✓	✓	✓	-	✓	✓
EliA Cardiolipin, β2GPI	✓	✓	✓	-	✓	✓
EliA tTG, Deamidated Gliadin Peptides	✓	✓	✓	-	✓	✓
EliA Calprotectin, ASCA	✓	✓	✓	-	✓	✓
EliA anti-TPO, anti-TG	-	✓	✓	-	✓	✓
EliA anti-TSH-R	-	-	✓	-	✓	✓
EliA M2	✓	✓	✓	-	✓	✓
EliA anti-IgA	✓	✓	✓	-	-	-
EliA Intrinsic Factor, Parietal Cell	-	✓	✓	-	✓	✓
EliA LKM-1	-	✓	✓	-	✓	✓



## ImmunoCAP Total IgE

ImmunoCAP Total IgE measures IgE in human serum or plasma in concentrations between 2 to 5000 kU/l. IgE antibodies appear as a result of sensitization to allergens and measurement of circulating total IgE provides an aid in the clinical diagnosis of IgE-mediated allergic disorders.

### Reagents Phadia 5000+ / Phadia 2500+ / Phadia 1000 / Phadia 250

Product	Size	Art. No.
ImmunoCAP Total IgE Conjugate 100	6 x 100	10-9319-01
ImmunoCAP Total IgE Conjugate 400	6 x 400	10-9480-01
ImmunoCAP Total IgE Calibrator Strip	5 x 1 curve	10-9387-01
ImmunoCAP Total IgE Curve Control Strip	5 x 3 pairs	10-9325-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	50 ml	10-9360-01
ImmunoCAP Total IgE Anti-IgE	16	14-4509-01
<b>Control</b>		
ImmunoCAP Total IgE Control LMH	3 x 2 x 4	10-9447-01

### Reagents Phadia 200

Product	Size	Art. No.
ImmunoCAP Total IgE Conjugate 100	6 x 100	10-9319-01
ImmunoCAP Total IgE Conjugate 400	6 x 400	10-9480-01
ImmunoCAP Total IgE Calibrator Strip	5 x 1 curve	10-9387-01
ImmunoCAP Total IgE Curve Control Strip	5 x 3 pairs	10-9325-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	6 x 20 ml	10-9541-01
ImmunoCAP Total IgE Anti-IgE	16	14-4509-01
<b>Control</b>		
ImmunoCAP Total IgE Control LMH	3 x 2 x 4	10-9447-01

### Reagents Phadia 100

Product	Size	Art. No.
ImmunoCAP Total IgE (Conjugate, Curve Control)	96, 4CC	10-9517-01
ImmunoCAP Total IgE Calibrators	1 curve	10-9252-01
ImmunoCAP Total IgE Curve Controls	3 pairs	10-9257-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	6 x 3.0 ml	10-9256-01
ImmunoCAP Total IgE Anti-IgE	16	14-4509-01
<b>Control</b>		
ImmunoCAP Total IgE Control LMH	3 x 2 x 4	10-9447-01



## ImmunoCAP Total IgE Low Range

ImmunoCAP Total IgE Low Range measures IgE in human serum or plasma in concentrations between 0.1 to 100 kU/l stimulation. IgE antibodies appear as a result of sensitization to allergens and measurement of circulating total IgE provides an aid in the clinical diagnosis of IgE-mediated allergic disorders.

### Reagents Phadia 5000+ / Phadia 2500+

Product	Size	Art. No.
ImmunoCAP Total IgE Low Range	3 x 16	14-4497-35
ImmunoCAP Specific IgE Conjugate 100	6 x 100	10-9316-01
ImmunoCAP Specific IgE Conjugate 400	6 x 400	10-9310-01
ImmunoCAP Specific IgE Calibrator Strip	5 x 1 curve	10-9459-01
ImmunoCAP Specific IgE Curve Control Strip	5 x 3 pairs	10-9312-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	50 ml	10-9360-01
ImmunoCAP Specific IgE Anti-IgE	16	14-4417-01

### Reagents Phadia 1000/Phadia 250

Product	Size	Art. No.
ImmunoCAP Total IgE Low Range	3 x 16	14-4497-35
ImmunoCAP Specific IgE Conjugate 100	6 x 100	10-9316-01
ImmunoCAP Specific IgE Conjugate 400	6 x 400	10-9310-01
ImmunoCAP Specific IgE Calibrator Strip	5 x 1 curve	10-9459-01
ImmunoCAP Specific IgE Curve Control Strip	5 x 3 pairs	10-9312-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	50 ml	10-9360-01
ImmunoCAP Specific IgE Anti-IgE	16	14-4417-01

### Reagents Phadia 200

Product	Size	Art. No.
ImmunoCAP Total IgE Low Range	3 x 16	14-4497-35
ImmunoCAP Specific IgE Conjugate 100	6 x 100	10-9316-01
ImmunoCAP Specific IgE Conjugate 400	6 x 400	10-9310-01
ImmunoCAP Specific IgE Calibrator Strip	5 x 1 curve	10-9459-01
ImmunoCAP Specific IgE Curve Control Strip	5 x 3 pairs	10-9312-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	6 x 20 ml	10-9541-01
ImmunoCAP Specific IgE Anti-IgE	16	14-4417-01

### Reagents Phadia 100

Product	Size	Art. No.
ImmunoCAP Total IgE Low Range	3 x 16	14-4497-35
ImmunoCAP Specific IgE (Conjugate, Curve Controls)	96, 2 pairs CC	10-9462-01
ImmunoCAP Specific IgE Conjugate	6 x 96	10-9463-01
ImmunoCAP Specific IgE Calibrators	1 curve	10-9460-01
ImmunoCAP Specific IgE Curve Controls	3 pairs	10-9408-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	6 x 3.0 ml	10-9256-01
ImmunoCAP Specific IgE Anti-IgE	16	14-4417-01

System reagents, see pages 50–55

## ImmunoCAP Specific IgE

ImmunoCAP Specific IgE provides an objective measurement of the circulating IgE antibodies and the sensitization to a specific allergen. Specific IgE antibodies appear as a result of exposure and following sensitization to an allergen. ImmunoCAP Specific IgE measure IgE antibodies to specific allergens in human serum or plasma and allows quantitative measurements of a wide range of individual allergens and allergen components. Over 650 different allergens and allergen mixes are available for determinations.

### Reagents Phadia 5000+ / Phadia 2500+

Product	Size	Art. No.
ImmunoCAP Specific IgE Conjugate 400	6 x 400	10-9310-01
ImmunoCAP Specific IgE Calibrator Strip	5 x 1 curve	10-9459-01
ImmunoCAP Specific IgE Curve Control Strip	5 x 3 pairs	10-9312-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	50 ml	10-9360-01
ImmunoCAP Specific IgE Anti-IgE	16	14-4417-01
<b>Controls</b>		
ImmunoCAP Specific IgE Negative Control	6 x 4	10-9445-01
ImmunoCAP Specific IgE Control L	6 x 4	10-9528-01
ImmunoCAP Specific IgE Control M	6 x 4	10-9529-01
ImmunoCAP Specific IgE Control H	6 x 4	10-9530-01

### Reagents Phadia 1000/Phadia 250

Product	Size	Art. No.
ImmunoCAP Specific IgE Conjugate 100	6 x 100	10-9316-01
ImmunoCAP Specific IgE Conjugate 400	6 x 400	10-9310-01
ImmunoCAP Specific IgE Calibrator Strip	5 x 1 curve	10-9459-01
ImmunoCAP Specific IgE Curve Control Strip	5 x 3 pairs	10-9312-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	50 ml	10-9360-01
ImmunoCAP Specific IgE Anti-IgE	16	14-4417-01
<b>Controls</b>		
ImmunoCAP Specific IgE Negative Control	6 x 4	10-9445-01
ImmunoCAP Specific IgE Control L	6 x 4	10-9528-01
ImmunoCAP Specific IgE Control M	6 x 4	10-9529-01
ImmunoCAP Specific IgE Control H	6 x 4	10-9530-01

ImmunoCAP Allergens, see pages 17–36

System reagents, see pages 50–55



## ImmunoCAP Specific IgE, cont'd

**Reagents Phadia 200**

Product	Size	Art. No.
ImmunoCAP Specific IgE Conjugate 100	6 x 100	10-9316-01
ImmunoCAP Specific IgE Conjugate 400	6 x 400	10-9310-01
ImmunoCAP Specific IgE Calibrator Strip	5 x 1 curve	10-9459-01
ImmunoCAP Specific IgE Curve Control Strip	5 x 3 pairs	10-9312-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	6 x 20 ml	10-9541-01
ImmunoCAP Specific IgE Anti-IgE	16	14-4417-01
<b>Controls</b>		
ImmunoCAP Specific IgE Negative Control	6 x 4	10-9445-01
ImmunoCAP Specific IgE Control L	6 x 4	10-9528-01
ImmunoCAP Specific IgE Control M	6 x 4	10-9529-01
ImmunoCAP Specific IgE Control H	6 x 4	10-9530-01

**Reagents Phadia 100**

Product	Size	Art. No.
ImmunoCAP Specific IgE (Conjugate, Curve Controls)	96, 2 pairs CC	10-9462-01
ImmunoCAP Specific IgE Conjugate	6 x 96	10-9463-01
ImmunoCAP Specific IgE Calibrators	1 curve	10-9460-01
ImmunoCAP Specific IgE Curve Controls	3 pairs	10-9408-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	6 x 3.0 ml	10-9256-01
ImmunoCAP Specific IgE Anti-IgE	16	14-4417-01
<b>Controls</b>		
ImmunoCAP Specific IgE Negative Control	6 x 4	10-9445-01
ImmunoCAP Specific IgE Control L	6 x 4	10-9528-01
ImmunoCAP Specific IgE Control M	6 x 4	10-9529-01
ImmunoCAP Specific IgE Control H	6 x 4	10-9530-01

ImmunoCAP Allergens, see pages 17–36

System reagents, see pages 50–55

# ImmunoCAP Phadiatop

## ImmunoCAP Phadiatop Infant

ImmunoCAP Phadiatop and Phadiatop Infant are initial qualitative tests useful for identifying patients with a high likelihood of an allergic disease (so-called atopic individuals). Phadiatop and Phadiatop Infant utilize balanced mixtures of relevant allergens often implicated in causing allergic diseases in adults and in young children, respectively.

Reference: Williams PB, *et al.* Ann Allergy Asthma Immunol. 2001;86:196-202.

### Reagents Phadia 5000+ / Phadia 2500+

Product	Size	Art. No.	Barcode
ImmunoCAP Phadiatop	3 x 16	14-4405-35	610
ImmunoCAP Phadiatop Infant	3 x 16	14-4510-35	BGZ
ImmunoCAP Specific IgE Conjugate 400	6 x 400	10-9310-01	
ImmunoCAP Specific IgE Calibrator Strip	5 x 1 curve	10-9459-01	
ImmunoCAP Specific IgE Curve Control Strip	5 x 3 pairs	10-9312-01	
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	50 ml	10-9360-01	
ImmunoCAP Specific IgE Anti-IgE	16	14-4417-01	

### Reagents Phadia 1000/Phadia 250

Product	Size	Art. No.	Barcode
ImmunoCAP Phadiatop	3 x 16	14-4405-35	610
ImmunoCAP Phadiatop Infant	3 x 16	14-4510-35	BGZ
ImmunoCAP Specific IgE Conjugate 100	6 x 100	10-9316-01	
ImmunoCAP Specific IgE Conjugate 400	6 x 400	10-9310-01	
ImmunoCAP Specific IgE Calibrator Strip	5 x 1 curve	10-9459-01	
ImmunoCAP Specific IgE Curve Control Strip	5 x 3 pairs	10-9312-01	
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	50 ml	10-9360-01	
ImmunoCAP Specific IgE Anti-IgE	16	14-4417-01	

### Reagents Phadia 200

Product	Size	Art. No.	Barcode
ImmunoCAP Phadiatop	3 x 16	14-4405-35	610
ImmunoCAP Phadiatop Infant	3 x 16	14-4510-35	BGZ
ImmunoCAP Specific IgE Conjugate 100	6 x 100	10-9316-01	
ImmunoCAP Specific IgE Conjugate 400	6 x 400	10-9310-01	
ImmunoCAP Specific IgE Calibrator Strip	5 x 1 curve	10-9459-01	
ImmunoCAP Specific IgE Curve Control Strip	5 x 3 pairs	10-9312-01	
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	6 x 20 ml	10-9541-01	
ImmunoCAP Specific IgE Anti-IgE	16	14-4417-01	

### Reagents Phadia 100

Product	Size	Art. No.	Barcode
ImmunoCAP Phadiatop	3 x 16	14-4405-35	610
ImmunoCAP Phadiatop Infant	3 x 16	14-4510-35	BGZ
ImmunoCAP Specific IgE (Conjugate, Curve Controls)	96, 2 pairs CC	10-9462-01	
ImmunoCAP Specific IgE Conjugate	6 x 96	10-9463-01	
ImmunoCAP Specific IgE Calibrators	1 curve	10-9460-01	
ImmunoCAP Specific IgE Curve Controls	3 pairs	10-9408-01	
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	6 x 3.0 ml	10-9256-01	
ImmunoCAP Specific IgE Anti-IgE	16	14-4417-01	

System reagents, see pages 50–55

# ImmunoCAP Rapid

ImmunoCAP Rapid is a disposable single-use point-of-care test for in vitro qualitative determination of allergen-specific IgE antibodies in human capillary blood or heparinized whole venous blood to ten allergens.

Each ImmunoCAP Rapid kit includes materials for ten (10) determinations: Assay Device (10), Blood Sampling Device (10), Developer Solution Pipettes (10), 2.5 ml Developer Solution, and easy to follow instructions.

After blood sample collection, the total assay time is 20 minutes. Results are read visually: the presence of a pink/red line of any intensity in the result window next to an allergen code indicates sensitization to that allergen.

ImmunoCAP Rapid – clear and simple.

Common Name	Size	Art. No.
<b>ImmunoCAP Rapid Wheeze/Rhinitis Child</b>		
e1, t3, w6, g6, f1, e5, t9, w21, d1, f2 Cat, Birch, Mugwort, Timothy, Egg, Dog, Olive, Wall pellitory, House dust mite, Milk	10	82-1000-01
<b>ImmunoCAP Rapid Asthma/Rhinitis Adult</b>		
e1, t3, w6, g6, i6, e5, t9, w21, d1, m6 Cat, Birch, Mugwort, Timothy, Cochroach, Dog, Olive, Wall pellitory, House dust mite, Mould	10	82-1001-01



## ImmunoCAP ISAC

ImmunoCAP ISAC is a miniaturized immunoassay platform that allows for simultaneous measurement of specific IgE antibodies to 112 different allergen components using only 30 µl of serum or plasma. Capillary blood sampling can be used, thus enabling a less invasive procedure for testing young children. Purified native or recombinant molecular allergen components are immobilized on a solid support (biochip). In a two step assay, antibodies from the patient serum bind to the immobilized allergen components; and after a washing step, allergen-bound antibodies are detected by a fluorescence-labeled antibody. ImmunoCAP ISAC is a semi-quantitative test. Results are reported in ISAC Standardized Units (ISU).

### ImmunoCAP ISAC – Instrument, accessories, software & reagents

Product	Size	Art. No.
ImmunoCAP ISAC Starter Pack Washing dish, 2 dishes, 10 chips each, Humidity chamber, 1 chamber for 26 chips, Magnetic stir bar, 2	1	81-1010-01
ImmunoCAP ISAC <sub>E112i</sub>	20	81-1020-01
ImmunoCAP ISACE Control	1 x 1	81-1021-01
ImmunoCAP ISACE Detection Antibody	1 x 1	81-1022-01
Phadia MIA Enabling interpretation to ImmunoCAP ISAC test results		81-1013-01
Phadia MIA Data management and analysis software		81-1009-01
LuxScan™ 10K Microarray Scanner		81-1002-01

### Allergen Components included on the ImmunoCAP ISAC<sub>112i</sub> chip

Component* name	Common Name	Latin Name	Protein group
<b>Grass pollens</b>			
nCyn d 1	Bermuda grass	<i>Cynodon dactylon</i>	Grass group 1
rPhl p 1	Timothy	<i>Phleum pratense</i>	Grass group 1
rPhl p 2	Timothy	<i>Phleum pratense</i>	Grass group 2
nPhl p 4	Timothy	<i>Phleum pratense</i>	
rPhl p 5b	Timothy	<i>Phleum pratense</i>	Grass group 5
rPhl p 6	Timothy	<i>Phleum pratense</i>	
rPhl p 7	Timothy	<i>Phleum pratense</i>	Polcalcin
rPhl p 11	Timothy	<i>Phleum pratense</i>	
rPhl p 12	Timothy	<i>Phleum pratense</i>	Profilin

<b>Weed pollens</b>			
nAmb a 1	Ragweed	<i>Ambrosia artemisiifolia</i>	
nArt v 1	Mugwort	<i>Artemisia vulgaris</i>	
nArt v 3	Mugwort	<i>Artemisia vulgaris</i>	Lipid transfer protein (nsLTP)
rChe a 1	Goosefoot	<i>Chenopodium album</i>	
rMer a 1	Annual mercury	<i>Mercurialis annua</i>	Profilin
rPar j 2	Wall pellitory	<i>Parietaria judaica</i>	Lipid transfer protein (nsLTP)
rPla l 1	Plantain (English)	<i>Plantago lanceolata</i>	
nSal k 1	Saltwort	<i>Salsola kali</i>	

<b>Tree pollens</b>			
rAln g 1	Alder	<i>Alnus glutinosa</i>	PR-10 protein
rBet v 1	Birch	<i>Betula verrucosa</i>	PR-10 protein
rBet v 2	Birch	<i>Betula verrucosa</i>	Profilin
rBet v 4	Birch	<i>Betula verrucosa</i>	Polcalcin
rCor a 1.0101	Hazel pollen	<i>Corylus avellana</i>	PR-10 protein
nCry j 1	Japanese cedar	<i>Cryptomeria japonica</i>	

\* Letters preceding the common name denote the raw material source: n= native, r= recombinant, or s= synthetic.



Allergen Components included on the ImmunoCAP ISAC<sub>112i</sub> chip, con't

Component* name	Common Name	Latin Name	Protein group
<b>Tree pollens, con't</b>			
nCup a 1	Cypress	<i>Cupressus arizonica</i>	
rOle e 1	Olive	<i>Olea europaea</i>	
nOle e 7	Olive	<i>Olea europaea</i>	Lipid transfer protein (nsLTP)
rOle e 9	Olive	<i>Olea europaea</i>	
rPla a 1	Plane tree	<i>Platanus acerifolia</i>	
rPla a 3	Plane tree	<i>Platanus acerifolia</i>	Lipid transfer protein (nsLTP)
<b>Animals – Epidermals &amp; proteins</b>			
rCan f 1	Dog	<i>Canis familiaris</i>	Lipocalin
rCan f 2	Dog	<i>Canis familiaris</i>	Lipocalin
nCan f 3	Dog	<i>Canis familiaris</i>	Serum albumin
rCan f 4	Dog	<i>Canis familiaris</i>	Lipocalin
rCan f 5	Dog	<i>Canis familiaris</i>	Arginine esterase
rCan f 6	Dog	<i>Canis familiaris</i>	Lipocalin
rEqu c 1	Horse	<i>Equus caballus</i>	Lipocalin
nEqu c 3	Horse	<i>Equus caballus</i>	Serum albumin
rFel d 1	Cat	<i>Felis domesticus</i>	Uteroglobin
rFel d 2	Cat	<i>Felis domesticus</i>	Serum albumin
rFel d 4	Cat	<i>Felis domesticus</i>	Lipocalin
rMus m 1	Mouse	<i>Mus musculus</i>	Lipocalin
<b>Microorganisms</b>			
rAlt a 1	Alternaria	<i>Alternaria alternata</i>	
rAlt a 6	Alternaria	<i>Alternaria alternata</i>	Enolase
rAsp f 1	Aspergillus	<i>Aspergillus fumigatus</i>	
rAsp f 3	Aspergillus	<i>Aspergillus fumigatus</i>	
rAsp f 6	Aspergillus	<i>Aspergillus fumigatus</i>	Mn superoxide dismutase
rCla h 8	Cladosporium	<i>Cladosporium herbarum</i>	
<b>Mites</b>			
rBlo t 5	House dust mite	<i>Blomia tropicalis</i>	
nDer f 1	House dust mite	<i>Dermatophagoides farinae</i>	
rDer f 2	House dust mite	<i>Dermatophagoides farinae</i>	
rDer p 1	House dust mite	<i>Dermatophagoides pteronyssinus</i>	
rDer p 2	House dust mite	<i>Dermatophagoides pteronyssinus</i>	
rDer p 10	House dust mite	<i>Dermatophagoides pteronyssinus</i>	Tropomyosin
rDer p 23	House dust mite	<i>Dermatophagoides pteronyssinus</i>	Peritrophin-like protein
rLep d 2	Storage mite	<i>Lepidoglyphus destructor</i>	
<b>Insects</b>			
rBla g 1	Cockroach	<i>Blattella germanica</i>	
rBla g 2	Cockroach	<i>Blattella germanica</i>	
rBla g 5	Cockroach	<i>Blattella germanica</i>	
nBla g 7	Cockroach	<i>Blattella germanica</i>	Tropomyosin
<b>Parasites</b>			
rAni s 1	Anisakis	<i>Anisakis simplex</i>	Serine protease inhibitor
rAni s 3	Anisakis	<i>Anisakis simplex</i>	Tropomyosin

\* Letters preceding the common name denote the raw material source: n= native, r= recombinant, or s= synthetic.

Allergen Components included on the ImmunoCAP ISAC<sub>112i</sub> chip, con't

Component* name	Common Name	Latin Name	Protein group
<b>Occupational</b>			
rHev b 1	Latex	<i>Hevea brasiliensis</i>	
rHev b 3	Latex	<i>Hevea brasiliensis</i>	
rHev b 5	Latex	<i>Hevea brasiliensis</i>	
rHev b 6.01	Latex	<i>Hevea brasiliensis</i>	
rHev b 8	Latex	<i>Hevea brasiliensis</i>	Profilin
nGal-alpha-1,3-Gal	(alpha-Gal)	<i>Thyroglobuline, bovine</i>	Gal-alpha-1,3-Gal(alpha-Gal)
nMUXF3	Sugar epitope from Bromelain		CCD-marker
<b>Foods</b>			
nGal d 1	Egg white	<i>Gallus domesticus</i>	Ovomucoid
nGal d 2	Egg white	<i>Gallus domesticus</i>	Ovalbumin
nGal d 3	Egg white	<i>Gallus domesticus</i>	Conalbumin/Ovotransferrin
nGal d 5	Egg yolk/chicken meat	<i>Gallus domesticus</i>	Livetin/Serum albumin
nBos d 4	Cow's milk	<i>Bos domesticus</i>	Alpha-lactalbumin
nBos d 5	Cow's milk	<i>Bos domesticus</i>	Beta-lactoglobulin
nBos d 6	Cow's milk and meat	<i>Bos domesticus</i>	Serum albumin
nBos d 8	Cow's milk	<i>Bos domesticus</i>	Casein
nBos d lactoferrin	Cow's milk	<i>Bos domesticus</i>	Transferrin
rGad c 1	Cod	<i>Gadus callarias</i>	Parvalbumin
nPen m 1	Shrimp	<i>Penaeus monodon</i>	Tropomyosin
nPen m 2	Shrimp	<i>Penaeus monodon</i>	Arginine kinase
nPen m 4	Shrimp	<i>Penaeus monodon</i>	Sarcoplasmic Ca-binding protein
rAna o 2	Cashew nut	<i>Anacardium occidentale</i>	Storage protein, 11S globulin
rAna o 3	Cashew nut	<i>Anacardium occidentale</i>	Storage protein, 2S albumin
rBer e 1	Brazil nut	<i>Bertholletia excelsa</i>	Storage protein, 2S albumin
rCor a 1.0401	Hazelnut	<i>Corylus avellana</i>	PR-10 protein
rCor a 8	Hazelnut	<i>Corylus avellana</i>	Lipid transfer protein (nsLTP)
nCor a 9	Hazelnut	<i>Corylus avellana</i>	Storage protein, 11S globulin
rCor a 14	Hazelnut	<i>Corylus avellana</i>	Storage protein, 2S albumin
rJug r 1	Walnut	<i>Juglans regia</i>	Storage protein, 2S albumin
nJug r 3	Walnut	<i>Juglans regia</i>	Lipid transfer protein (nsLTP)
rSes i 1	Sesame seed	<i>Sesamum indicum</i>	Storage protein, 2S albumin
rAra h 1	Peanut	<i>Arachis hypogaea</i>	Storage protein, 7S globulin
rAra h 2	Peanut	<i>Arachis hypogaea</i>	Storage protein, 2S albumin
rAra h 3	Peanut	<i>Arachis hypogaea</i>	Storage protein, 11S globulin
rAra h 6	Peanut	<i>Arachis hypogaea</i>	Storage protein, 2S albumin
rAra h 8	Peanut	<i>Arachis hypogaea</i>	PR-10 protein
rAra h 9	Peanut	<i>Arachis hypogaea</i>	Lipid transfer protein (nsLTP)
rGly m 4	Soybean	<i>Glycine max</i>	PR-10 protein
nGly m 5	Soybean	<i>Glycine max</i>	Storage protein, Beta-conglycinin
nGly m 6	Soybean	<i>Glycine max</i>	Storage protein, Glycinin
nFag e 2	Buckwheat	<i>Fagopyrum esculentum</i>	Storage protein, 2S albumin
rTri a 14	Wheat	<i>Triticum aestivum</i>	Lipid transfer protein (nsLTP)
rTri a 19.0101	Wheat	<i>Triticum aestivum</i>	Omega-5 gliadin
nTri a aA_TI	Wheat	<i>Triticum aestivum</i>	Alpha-amylase/Trypsin inhibitor
nAct d 1	Kiwi	<i>Actinidia deliciosa</i>	
nAct d 2	Kiwi	<i>Actinidia deliciosa</i>	Thaumatococcal protein
nAct d 5	Kiwi	<i>Actinidia deliciosa</i>	
rAct d 8	Kiwi	<i>Actinidia deliciosa</i>	PR-10 protein
rApi g 1	Celery	<i>Apium graveolens</i>	PR-10 protein
rMal d 1	Apple	<i>Malus domestica</i>	PR-10 protein
rPru p 1	Peach	<i>Prunus persica</i>	PR-10 protein
rPru p 3	Peach	<i>Prunus persica</i>	Lipid transfer protein (nsLTP)

\* Letters preceding the common name denote the raw material source: n= native, r= recombinant, or s= synthetic.

## ImmunoCAP Specific IgG

ImmunoCAP Specific IgG measures antigen-specific IgG antibodies in human serum and plasma. Measurements of specific IgG antibodies have been used in clinical studies of different allergic diseases, gastrointestinal disorders and in various lung diseases. Tests for specific IgG antibodies may be useful to investigate the immune response in patients exposed to antigens either through natural exposure or therapeutic interventions.

### Reagents Phadia 5000+ / Phadia 2500+ / Phadia 1000 / Phadia 250

Product	Size	Art. No.
ImmunoCAP Specific IgG Conjugate 50	2 x 50	10-9318-01
ImmunoCAP Specific IgG Calibrator Strip	1 curve	10-9327-01
ImmunoCAP Specific IgG Curve Control Strip	3 pairs	10-9349-01
ImmunoCAP IgA/IgG Calibrator ImmunoCAP	16	14-4424-01
ImmunoCAP Specific IgA/IgG Sample Diluent	6 x 50 ml	10-9361-01

#### Controls

ImmunoCAP Specific IgG/IgG4 Control L	6 x 4	10-9473-01
ImmunoCAP Specific IgG/IgG4 i1 Control H	6 x 4	10-9475-01
ImmunoCAP Specific IgG m3 Control H	6 x 4	10-9500-01

### Reagents Phadia 200

Product	Size	Art. No.
ImmunoCAP Specific IgG Conjugate 50	2 x 50	10-9318-01
ImmunoCAP Specific IgG Calibrator Strip	1 curve	10-9327-01
ImmunoCAP Specific IgG Curve Control Strip	3 pairs	10-9349-01
ImmunoCAP IgA/IgG Calibrator ImmunoCAP	16	14-4424-01
ImmunoCAP Specific IgG Sample Diluent	6 x 20 ml	10-9542-01

#### Controls

ImmunoCAP Specific IgG/IgG4 Control L	6 x 4	10-9473-01
ImmunoCAP Specific IgG/IgG4 i1 Control H	6 x 4	10-9475-01
ImmunoCAP Specific IgG m3 Control H	6 x 4	10-9500-01

ImmunoCAP Allergens, see pages 17–36

ImmunoCAP Antigens, see page 37

System reagents, see pages 50–55

## ImmunoCAP Specific IgG4

ImmunoCAP Specific IgG4 measures antigen-specific IgG4 antibodies in human serum and plasma. Measurements of specific IgG and/or specific IgG4 antibodies have been used in clinical studies of many different allergic diseases including: asthma, rhinitis, urticaria, eczema and gastrointestinal disorders. Increased concentrations of specific IgG4 antibodies are typically observed in patients treated with allergen immunotherapy, including immunotherapy with inhalant aeroallergens and hymenoptera venoms, where IgG and IgG4 antibodies are biomarkers of antigen exposure.

Reference: Eifan AO, et al. *Curr Opin Allergy Clin Immunol.* 2011;11(6):586-93. Ozdemir C, et al. *Clin Exp Allergy.* 2011;41(9):1226-34.

### Reagents Phadia 5000+ / Phadia 2500+ / Phadia 1000 / Phadia 250

Product	Size	Art. No.
ImmunoCAP Specific IgG4 Conjugate 50	2 x 50	10-9549-01
ImmunoCAP Specific IgG4 Calibrator Strip	1 curve	10-9550-01
ImmunoCAP Specific IgG4 Curve Control Strip	3 pairs	10-9551-01
ImmunoCAP IgA/IgG Calibrator ImmunoCAP	16	14-4424-01
ImmunoCAP Specific IgA/IgG Sample Diluent	6 x 50 ml	10-9361-01
<b>Controls</b>		
ImmunoCAP Specific IgG/IgG4 Control L	6 x 4	10-9473-01
ImmunoCAP Specific IgG/IgG4 i1 Control H	6 x 4	10-9475-01

### Reagents Phadia 200

Product	Size	Art. No.
ImmunoCAP Specific IgG4 Conjugate 50	2 x 50	10-9549-01
ImmunoCAP Specific IgG4 Calibrator Strip	1 curve	10-9550-01
ImmunoCAP Specific IgG4 Curve Control Strip	3 pairs	10-9551-01
ImmunoCAP IgA/IgG Calibrator ImmunoCAP	16	14-4424-01
ImmunoCAP Specific IgG Sample Diluent	6 x 20 ml	10-9542-01
<b>Controls</b>		
ImmunoCAP Specific IgG/IgG4 Control L	6 x 4	10-9473-01
ImmunoCAP Specific IgG/IgG4 i1 Control H	6 x 4	10-9475-01

ImmunoCAP Allergens, see pages 17–36

System reagents, see pages 50–55



## ImmunoCAP ECP

ImmunoCAP ECP measures the level of Eosinophil Cationic Protein (ECP) in serum. ECP is a highly cytotoxic protein found in eosinophil granules. Eosinophils are cells chiefly responsible for producing the inflammation characteristic of asthma. When eosinophils in the airway are activated, they undergo degranulation causing airway epithelial damage and desquamation. This can increase hypersensitivity and lead to chronic inflammatory disease of the airway. ECP is released from the activated eosinophils during the inflammation process.

Reference: Koh GC, *et al.* Respir Med. 2007;101:696-705.

### Reagents Phadia 5000+ / Phadia 2500+ / Phadia 1000 / Phadia 250

Product	Size	Art. No.
ImmunoCAP ECP Conjugate 50	2 x 50	10-9321-01
ImmunoCAP ECP Calibrator Strip	1 curve	10-9345-01
ImmunoCAP ECP Curve Control Strip	6 x 1 CC	10-9352-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	50 ml	10-9360-01
ImmunoCAP ECP Anti-ECP	16	14-4515-01
<b>Control</b>		
ImmunoCAP ECP Control	6 x 0.5 ml	10-9269-01

### Reagents Phadia 200

Product	Size	Art. No.
ImmunoCAP ECP Conjugate 50	2 x 50	10-9321-01
ImmunoCAP ECP Calibrator Strip	1 curve	10-9345-01
ImmunoCAP ECP Curve Control Strip	6 x 1 CC	10-9352-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	6 x 20 ml	10-9541-01
ImmunoCAP ECP Anti-ECP	16	14-4515-01
<b>Control</b>		
ImmunoCAP ECP Control	6 x 0.5 ml	10-9269-01

### Reagents Phadia 100

Product	Size	Art. No.
ImmunoCAP ECP (Conjugate, Curve Control)	48, 4CC	10-9520-01
ImmunoCAP ECP Calibrators	1 curve	10-9260-01
ImmunoCAP ECP Curve Control	6 vials	10-9278-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	6 x 3.0 ml	10-9256-01
ImmunoCAP ECP Anti-ECP	16	14-4515-01
<b>Control</b>		
ImmunoCAP ECP Control	6 x 0.5 ml	10-9269-01

System reagents, see pages 50–55

## ImmunoCAP Tryptase

Tryptase is a useful biomarker that can aid in systemic allergic reaction investigations<sup>1,2</sup> as it has been shown to be released into the circulatory system during anaphylaxis.<sup>2,3</sup> Paired acute and baseline tryptase levels aid in differential diagnosis (including mastocytosis or other mast cell disorders), patient management and follow up care. ImmunoCAP Tryptase measures the combined levels of alpha- and beta-tryptase in serum or plasma.

References: 1. Valent et al. Definitions, criteria, and global classification of mast cell disorders with special reference to mast cell activation syndromes: a consensus proposal. *Int Arch Allergy Immunol.* 2012;157(3):215-25. 2. Schwartz LB. Diagnostic value of tryptase in anaphylaxis and mastocytosis. *Immunol Allergy Clin North Am.* 2006 Aug;26(3):451-63. 3. Lieberman et al. The diagnosis and management of anaphylaxis practice parameter: 2010 update. *J Allergy Clin Immunol.* 2010 Sep;126(3):477-80.

### Reagents Phadia 1000/Phadia 250

Product	Size	Art. No.
ImmunoCAP Tryptase Conjugate 50	2 x 50	10-9522-01
ImmunoCAP Tryptase Calibrator Strip	1 curve	10-9523-01
ImmunoCAP Tryptase Curve Control Strip	6 x 1 CC	10-9524-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	50 ml	10-9360-01
ImmunoCAP Tryptase Anti-Tryptase	16	14-4518-01
<b>Control</b>		
ImmunoCAP Tryptase Control	6 x 0.5 ml	10-9370-01

### Reagents Phadia 100

Product	Size	Art. No.
ImmunoCAP Tryptase (Conjugate, Curve Control)	48, 4CC	10-9525-01
ImmunoCAP Tryptase Calibrators	1 curve	10-9526-01
ImmunoCAP Tryptase Curve Control	6 vials	10-9527-01
ImmunoCAP IgE/ECP/Tryptase Sample Diluent	6 x 3.0 ml	10-9256-01
ImmunoCAP Tryptase Anti-Tryptase	16	14-4518-01
<b>Control</b>		
ImmunoCAP Tryptase Control	6 x 0.5 ml	10-9370-01

System reagents, see pages 50–55

## ImmunoCAP Allergens

In patients suffering from extrinsic asthma, hay fever or atopic eczema, symptoms develop after exposure to specific allergens. This immediate (atopic or anaphylactic) type of allergy is a function of a special type of serum antibodies belonging to the IgE class of immunoglobulins.

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Grass pollens</b>					
<b>Whole Allergens</b>					
Bahia grass	<i>Paspalum notatum</i>	g17	16	14-4189-01	432
Barley	<i>Hordeum vulgare</i>	g201	10	14-4821-01	920
Bermuda grass	<i>Cynodon dactylon</i>	g2	16	14-4131-01	379
Brome grass	<i>Bromus inermis</i>	g11	16	14-4238-01	479
Canary grass	<i>Phalaris arundinacea</i>	g71	10	14-4360-01	585
Cocksfoot	<i>Dactylis glomerata</i>	g3	16	14-4117-01	366
Common reed	<i>Phragmites communis</i>	g7	16	14-4187-01	430
Cultivated oat	<i>Avena sativa</i>	g14	16	14-4239-01	480
Cultivated rye	<i>Secale cereale</i>	g12	16	14-4101-01	351
Cultivated wheat	<i>Triticum aestivum</i>	g15	16	14-4188-01	431
Johnson grass	<i>Sorghum halepense</i>	g10	16	14-4138-01	384
Maize, Corn	<i>Zea mays</i>	g202	10	14-4822-01	921
Meadow fescue	<i>Festuca elatior</i>	g4	16	14-4133-01	380
Meadow foxtail	<i>Alopecurus pratensis</i>	g16	16	14-4240-01	481
Meadow grass, Kentucky blue	<i>Poa pratensis</i>	g8	16	14-4136-01	382
Redtop, Bentgrass	<i>Agrostis stolonifera</i>	g9	16	14-4137-01	383
Rye-grass	<i>Lolium perenne</i>	g5	16	14-4134-01	381
Sweet vernal grass	<i>Anthoxanthum odoratum</i>	g1	16	14-4130-01	378
Timothy grass	<i>Phleum pratense</i>	g6	16	14-4100-01	350
Velvet grass	<i>Holcus lanatus</i>	g13	16	14-4139-01	385
Wild rye grass	<i>Elymus triticoides</i>	g70	10	14-4344-01	569
<b>Allergen Components*</b>					
nCyn d 1 Bermuda grass	<i>Cynodon dactylon</i>	g216	10	14-4972-01	CFA
rPhl p 1 Timothy	<i>Phleum pratense</i>	g205	10	14-5234-01	BSU
rPhl p 2 Timothy	<i>Phleum pratense</i>	g206	10	14-5235-01	C0K
nPhl p 4 Timothy	<i>Phleum pratense</i>	g208	10	14-5288-01	C0L
rPhl p 5b Timothy	<i>Phleum pratense</i>	g215	10	14-5338-01	BV3
rPhl p 6 Timothy	<i>Phleum pratense</i>	g209	10	14-5289-01	BSV
rPhl p 7 Timothy	<i>Phleum pratense</i>	g210	10	14-5290-01	BSW
rPhl p 11 Timothy	<i>Phleum pratense</i>	g211	10	14-5291-01	BSX
rPhl p 12 Profilin, Timothy	<i>Phleum pratense</i>	g212	10	14-5292-01	BSY
rPhl p 1, rPhl p 5b Timothy	<i>Phleum pratense</i>	g213	10	14-5312-01	BU1
rPhl p 7, rPhl p 12 Timothy	<i>Phleum pratense</i>	g214	10	14-5313-01	BU2
<b>Mixes</b>					
g3, g4, g5, g6, g8	<i>Dactylis glomerata, Festuca elatior, Lolium perenne, Phleum pratense, Poa pratensis</i>	gx1	16	14-4163-01	405
g2, g5, g6, g8, g10, g17	<i>Cynodon dactylon, Lolium perenne, Phleum pratense, Poa pratensis, Sorghum halepense, Paspalum notatum</i>	gx2	16	14-4192-01	433
g1, g5, g6, g12, g13	<i>Anthoxanthum odoratum, Lolium perenne, Phleum pratense, Secale cereale, Holcus lanatus</i>	gx3	16	14-4193-01	434
g1, g5, g7, g12, g13	<i>Anthoxanthum odoratum, Lolium perenne, Phragmites communis, Secale cereale, Holcus lanatus</i>	gx4	16	14-4194-01	435
g2, g5, g10, g11, g13, g17	<i>Cynodon dactylon, Lolium perenne, Sorghum halepense, Bromus inermis, Holcus lanatus, Paspalum notatum</i>	gx6	10	14-5200-01	BSZ

\* Letters preceding the common name denote the raw material source: n= native, r= recombinant, or s= synthetic.

## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Weed pollens</b>					
<b>Whole Allergens</b>					
Alfalfa	<i>Medicago sativa</i>	w45	10	14-4951-01	CCR
Camomile	<i>Matricaria chamomilla</i>	w206	10	14-5020-01	BPZ
Careless weed	<i>Amaranthus palmeri</i>	w82	10	14-4953-01	CCT
Cocklebur	<i>Xanthium commune</i>	w13	16	14-4251-01	489
Common pigweed	<i>Amaranthus retroflexus</i>	w14	16	14-4252-01	490
Common ragweed	<i>Ambrosia artemisiifolia (A. elatior)</i>	w1	16	14-4531-01	DWR
Dandelion	<i>Taraxacum vulgare</i>	w8	16	14-4155-01	401
Dog fennel	<i>Eupatorium capillifolium</i>	w46	10	14-4952-01	CCS
False ragweed	<i>Franseria acanthicarpa</i>	w4	16	14-4247-01	485
Firebush (Kochia)	<i>Kochia scoparia</i>	w17	16	14-4255-01	493
Giant ragweed	<i>Ambrosia trifida</i>	w3	16	14-4153-01	399
Goldenrod	<i>Solidago virgaurea</i>	w12	16	14-4250-01	488
Goosefoot, Lamb's quarters	<i>Chenopodium album</i>	w10	16	14-4157-01	403
Japanese Hop	<i>Humulus scandens</i>	w22	16	14-4452-01	BJT
Lupin	<i>Lupinus spp.</i>	w207	10	14-5022-01	C1B
Marguerite, Ox-eye daisy	<i>Chrysanthemum leucanthemum</i>	w7	16	14-4154-01	400
Mugwort	<i>Artemisia vulgaris</i>	w6	16	14-4103-01	353
Nettle	<i>Urtica dioica</i>	w20	16	14-4257-01	495
Plantain (English), Ribwort	<i>Plantago lanceolata</i>	w9	16	14-4156-01	402
Rape	<i>Brassica napus</i>	w203	10	14-5024-01	BPY
Rough marshelder	<i>Iva ciliata</i>	w16	16	14-4254-01	492
Saltwort (prickly), Russian thistle	<i>Salsola kali (pestifer)</i>	w11	16	14-4249-01	487
Scale, Lenscale	<i>Atriplex lentiformis</i>	w15	16	14-4253-01	491
Sheep sorrel	<i>Rumex acetosella</i>	w18	16	14-4256-01	494
Sunflower	<i>Helianthus annuus</i>	w204	10	14-5025-01	BT8
Wall pellitory	<i>Parietaria officinalis</i>	w19	16	14-4186-01	429
Wall pellitory	<i>Parietaria judaica</i>	w21	16	14-4104-01	354
Western ragweed	<i>Ambrosia psilostachya</i>	w2	16	14-4152-01	398
Wormwood	<i>Artemisia absinthium</i>	w5	16	14-4248-01	486
Yellow dock	<i>Rumex crispus</i>	w23	10	14-4950-01	CCP
<b>Allergen Components*</b>					
nAmb a 1 Ragweed	<i>Ambrosia artemisiifolia (A. elatior)</i>	w230	10	14-4969-01	CF8
nArt v 1 Mugwort	<i>Artemisia vulgaris</i>	w231	10	14-4970-01	CF9
nArt v 3 LTP, Mugwort	<i>Artemisia vulgaris</i>	w233	10	14-4983-01	CJ2
rPar j 2 LPT, Wall pellitory	<i>Parietaria judaica</i>	w211	10	14-5311-01	C2M
rPla l 1 Plantain	<i>Plantago lanceolata</i>	w234	10	14-5751-01	D1H
nSal k 1 Saltwort	<i>Salsola kali</i>	w232	10	14-4978-01	CFE
<b>Mixes</b>					
w1, w6, w9, w10, w11	<i>Ambrosia artemisiifolia (A. elatior), Artemisia vulgaris, Plantago lanceolata, Chenopodium album, Salsola kali</i>	wx1	16	14-4195-01	436
w2, w6, w9, w10, w15	<i>Ambrosia psilostachya, Artemisia vulgaris, Plantago lanceolata, Chenopodium album, Atriplex lentiformis</i>	wx2	16	14-4268-01	506
w6, w9, w10, w12, w20	<i>Artemisia vulgaris, Plantago, lanceolata, Chenopodium album, Solidago virgaurea, Urtica dioica</i>	wx3	16	14-4196-01	437
w1, w6, w7, w8, w12	<i>Ambrosia artemisiifolia (A. elatior), Artemisia vulgaris, Chrysanthemum leucanthemum, Taraxacum vulgare, Solidago virgaurea</i>	wx5	16	14-4197-01	438
w9, w10, w11, w18	<i>Plantago lanceolata, Chenopodium album, Salsola kali, Rumex acetosella</i>	wx6	16	14-4198-01	439
w7, w8, w9, w10, w12	<i>Chrysanthemum leucanthemum, Taraxacum vulgare, Plantago lanceolata, Chenopodium album, Solidago virgaurea</i>	wx7	16	14-4269-01	507

\* Letters preceding the common name denote the raw material source: n= native, r= recombinant, or s= synthetic.



## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
w1, w2, w3	<i>Ambrosia artemisiifolia</i> (A. <i>elatior</i> ), <i>Ambrosia psilostachya</i> , <i>Ambrosia trifida</i>	wx209	10	14-5026-01	BR0

## Tree pollens

## Whole Allergens

Acacia	<i>Acacia longifolia</i>	t19	16	14-4233-01	474
American beech	<i>Fagus grandifolia</i>	t5	16	14-4148-01	394
Australian pine	<i>Casuarina equisetifolia</i>	t73	10	14-4374-01	599
Bald cypress	<i>Taxodium distichum</i>	t37	10	14-4941-01	CCE
Bayberry	<i>Myrica cerifera</i>	t56	10	14-4947-01	CCL
Box-elder	<i>Acer negundo</i>	t1	16	14-4161-01	406
Cedar	<i>Libocedrus decurrens</i>	t212	10	14-5185-01	C01
Cedar elm	<i>Ulmus crassifolia</i>	t45	10	14-4944-01	CCH
Chestnut	<i>Castanea sativa</i>	t206	10	14-5140-01	C04
Common silver birch	<i>Betula verrucosa</i>	t3	16	14-4102-01	352
Cottonwood	<i>Populus deltoides</i>	t14	16	14-4229-01	470
Cypress	<i>Cupressus arizonica</i>	t222	10	14-5309-01	BTZ
Date	<i>Phoenix canariensis</i>	t214	10	14-5218-01	C2P
Elder	<i>Sambucus nigra</i>	t205	10	14-5002-01	C0P
Elm	<i>Ulmus americana</i>	t8	16	14-4226-01	467
Eucalyptus, Gum-tree	<i>Eucalyptus spp.</i>	t18	16	14-4232-01	473
European ash	<i>Fraxinus excelsior</i>	t25	10	14-4924-01	C79
Grey alder	<i>Alnus incana</i>	t2	16	14-4146-01	392
Hackberry	<i>Celtis occidentalis</i>	t44	10	14-4943-01	CCG
Hazel	<i>Corylus avellana</i>	t4	16	14-4147-01	393
Horn beam	<i>Carpinus betulus</i>	t209	10	14-5148-01	C0D
Horse chestnut	<i>Aesculus hippocastanum</i>	t203	10	14-5003-01	C0M
Italian/Mediterranean/Funeral cypress	<i>Cupressus sempervirens</i>	t23	16	14-4237-01	478
Japanese cedar	<i>Cryptomeria japonica</i>	t17	16	14-4118-01	367
Linden	<i>Tilia cordata</i>	t208	10	14-4823-01	922
Maple leaf sycamore, London plane	<i>Platanus acerifolia</i>	t11	16	14-4228-01	469
Melaleuca, Cajeput-tree	<i>Melaleuca leucadendron</i>	t21	16	14-4235-01	476
Mesquite	<i>Prosopis juliflora</i>	t20	16	14-4234-01	475
Mountain juniper	<i>Juniperus sabinoides</i>	t6	16	14-4225-01	466
Mulberry	<i>Morus alba</i>	t70	10	14-4325-01	553
Oak	<i>Quercus alba</i>	t7	16	14-4149-01	395
Oil Palm	<i>Elaeis guineensis</i>	t223	10	14-5308-01	C3G
Olive	<i>Olea europaea</i>	t9	16	14-4150-01	396
Pecan, Hickory	<i>Carya pecan</i>	t22	16	14-4236-01	477
Peppertree	<i>Schinus molle</i>	t217	10	14-5167-01	C1N
Pine	<i>Pinus radiata</i>	t213	10	14-5208-01	C02
Privet	<i>Ligustrum vulgare</i>	t210	10	14-4834-01	996
Queen palm	<i>Arecastrum romanzoffianum</i>	t72	10	14-4373-01	598
Red cedar	<i>Juniperus virginiana</i>	t57	10	14-4948-01	CCM
Red mulberry	<i>Morus rubra</i>	t71	10	14-4949-01	CCN
Scotch broom	<i>Cytisus scoparius</i>	t55	10	14-4946-01	CCK
Spruce	<i>Picea excelsa</i>	t201	10	14-5005-01	C0J
Sweet gum	<i>Liquidambar styraciflua</i>	t211	10	14-5155-01	C03
Walnut	<i>Juglans californica</i>	t10	16	14-4227-01	468
White ash	<i>Fraxinus americana</i>	t15	16	14-4230-01	471
White hickory	<i>Carya tomentosa</i> (syn. <i>C. alba</i> )	t41	10	14-4942-01	CCF
White pine	<i>Pinus strobus</i>	t16	16	14-4231-01	472
Willow	<i>Salix caprea</i>	t12	16	14-4151-01	397
Virginia live oak	<i>Quercus virginiana</i>	t218	10	14-5252-01	BZY

## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Tree pollens, cont'd</b>					
<b>Allergen Components*</b>					
rBet v 1 PR-10, Birch	<i>Betula verrucosa</i>	t215	10	14-5225-01	BPV
rBet v 2 Profilin, Birch	<i>Betula verrucosa</i>	t216	10	14-5226-01	BR1
rBet v 4 Birch	<i>Betula verrucosa</i>	t220	10	14-5287-01	BT7
rBet v 6 Birch	<i>Betula verrucosa</i>	t225	10	14-5345-01	CF1
rBet v 2, rBet v 4 Birch	<i>Betula verrucosa</i>	t221	10	14-5310-01	BU0
nCup a 1 Cypress	<i>Cupressus arizonica</i>	t226	10	14-4977-01	CFD
rOle e 1 Olive	<i>Olea europaea</i>	t224	10	14-5705-01	CTC
nOle e 7 LTP, Olive	<i>Olea europaea</i>	t227	10	14-4993-01	CKT
rOle e 9, Olive	<i>Olea europaea</i>	t240	10	14-4999-01	CTZ
rPla a 1 Maple leaf sycamore, London plane	<i>Platanus acerifolia</i>	t241	10	14-5957-01	D2H
<b>Mixes</b>					
t1, t3, t7, t8, t10	<i>Acer negundo, Betula verrucosa, Quercus alba, Ulmus americana, Juglans californica</i>	tx1	16	14-4199-01	440
t7, t8, t11, t12, t14	<i>Quercus alba, Ulmus americana, Platanus acerifolia, Salix caprea, Populus deltoides</i>	tx4	16	14-4200-01	441
t2, t4, t8, t12, t14	<i>Ulmus americana, Salix caprea, Populus deltoides</i>	tx5	16	14-4201-01	442
t1, t3, t5, t7, t10	<i>Acer negundo, Betula verrucosa, Fagus grandifolia, Quercus alba, Juglans californica</i>	tx6	16	14-4202-01	443
t9, t12, t16, t18, t19, t21	<i>Olea europaea, Salix caprea, Pinus strobus, Eucalyptus spp., Acacia longifolia, Melaleuca leucadendron</i>	tx7	16	14-4272-01	510
t1, t3, t4, t7, t11	<i>Acer negundo, Betula verrucosa, Corylus avellana, Quercus alba, Platanus acerifolia</i>	tx8	16	14-4273-01	511
t2, t3, t4, t7, t12	<i>Alnus incana, Betula verrucosa, Corylus avellana, Quercus alba, Salix caprea</i>	tx9	16	14-4274-01	512
t2, t3, t4, t15	<i>Alnus incana, Betula verrucosa, Corylus avellana, Fraxinus americana</i>	tx10	10	14-5183-01	BPX

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## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Microorganisms</b>					
<b>Whole Allergens</b>					
	<i>Acremonium kiliense</i>	m202	10	14-4830-01	992
	<i>Alternaria alternata</i>	m6	16	14-4106-01	356
	<i>Aspergillus flavus</i>	m228	10	14-5342-01	BZU
	<i>Aspergillus fumigatus</i>	m3	16	14-4119-01	368
	<i>Aspergillus niger</i>	m207	10	14-4831-01	993
	<i>Aspergillus terreus</i>	m36	10	14-4920-01	BYC
	<i>Aureobasidium pullulans</i>	m12	16	14-4263-01	501
	<i>Botrytis cinerea</i>	m7	16	14-4258-01	496
	<i>Candida albicans</i>	m5	16	14-4120-01	369
	<i>Chaetomium globosum</i>	m208	10	14-5202-01	C00
	<i>Cladosporium herbarum</i>	m2	16	14-4105-01	355
	<i>Curvularia lunata</i>	m16	16	14-4267-01	505
	<i>Epicoccum purpurascens</i>	m14	16	14-4265-01	503
	<i>Fusarium proliferatum</i> (F. moniliforme)	m9	16	14-4260-01	498
	<i>Setomelanomma rostrata</i> ( <i>Helminthosporium halodes</i> )	m8	16	14-4259-01	497
	<i>Malassezia spp.</i>	m227	10	14-5321-01	BT6
	<i>Mucor racemosus</i>	m4	16	14-4145-01	391
	<i>Penicillium chrysogenum</i> (P. notatum)	m1	16	14-4160-01	405
	<i>Penicillium glabrum</i>	m209	10	14-5203-01	BT3
	<i>Phoma betae</i>	m13	16	14-4264-01	502
	<i>Rhizopus nigricans</i>	m11	16	14-4262-01	500
Staphylococcal enterotoxin A		m80	10	14-4889-01	BDG
Staphylococcal enterotoxin B		m81	10	14-4890-01	BDD
Staphylococcal enterotoxin C		m223	10	14-5298-01	BT5
Staphylococcal enterotoxin TSST		m226	10	14-5301-01	C0X
	<i>Stemphylium herbarum</i> (S. botryosum)	m10	16	14-4261-01	499
	<i>Tilletia tritici</i>	m201	10	14-5029-01	C1C
	<i>Trichoderma viride</i>	m15	16	14-4266-01	504
	<i>Trichophyton mentagrophytes</i> var. <i>interdigitale</i>	m211	10	14-5224-01	C0R
	<i>Trichophyton rubrum</i>	m205	16	14-4483-01	A2J
	<i>Ulocladium chartarum</i>	m204	10	14-5028-01	C1Y
<b>Allergen Components*</b>					
rAlt a 1	<i>Alternaria alternata</i>	m229	10	14-5346-01	CE0
rAsp f 1	<i>Aspergillus fumigatus</i>	m218	10	14-5293-01	BPL
rAsp f 2	<i>Aspergillus fumigatus</i>	m219	10	14-5294-01	BPM
rAsp f 3	<i>Aspergillus fumigatus</i>	m220	10	14-5295-01	BT4
rAsp f 4	<i>Aspergillus fumigatus</i>	m221	10	14-5296-01	BPN
rAsp f 6	<i>Aspergillus fumigatus</i>	m222	10	14-5297-01	BPP
<b>Mixes</b>					
m1, m2, m3, m6	<i>Penicillium chrysogenum</i> , <i>Cladosporium herbarum</i> , <i>Aspergillus fumigatus</i> , <i>Alternaria alternata</i>	mx1	16	14-4204-01	445
m1, m2, m3, m5, m6, m8	<i>Penicillium chrysogenum</i> , <i>Cladosporium herbarum</i> , <i>Aspergillus fumigatus</i> , <i>Candida albicans</i> , <i>Alternaria alternata</i> , <i>Setomelanomma rostrata</i>	mx2	16	14-4320-01	851
m3, m207, m36, m228	<i>A. fumigatus</i> , <i>A. niger</i> , <i>A. terreus</i> , <i>A. flavus</i>	mx4	10	14-4921-01	BYD

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## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Animals – Epidermals &amp; proteins</b>					
<b>Whole Allergens</b>					
Budgerigar droppings		e77	10	14-4303-01	537
Budgerigar feathers		e78	10	14-4304-01	538
Canary bird droppings		e200	10	14-4913-01	BY5
Canary bird feathers		e201	10	14-4824-01	923
Cat dander		e1	16	14-4109-01	359
Chicken droppings		e218	10	14-5229-01	BRW
Chicken feathers		e85	10	14-4170-01	517
Chicken, serum proteins		e219	10	14-5230-01	C24
Chinchilla epithelium		e208	10	14-5011-01	C1X
Cow dander		e4	16	14-4166-01	411
Dog dander		e5	16	14-4110-01	360
Duck feathers		e86	10	14-4171-01	518
Ferret epithelium		e217	10	14-5157-01	C1H
Finch feathers		e214	10	14-5013-01	C2D
Gerbil epithelium		e209	10	14-5015-01	C1W
Goat epithelium		e80	10	14-4306-01	540
Goose feathers		e70	16	14-4169-01	414
Guinea pig epithelium		e6	16	14-4167-01	412
Hamster epithelium		e84	10	14-4310-01	544
Horse dander		e3	16	14-4122-01	371
Mink epithelium		e203	10	14-5030-01	C39
Mouse epithelium		e71	10	14-4394-01	603
Mouse epithelium, serum proteins and urine proteins		e88	10	14-4327-01	555
Mouse serum proteins		e76	10	14-4399-01	608
Mouse urine proteins		e72	10	14-4395-01	604
Parrot feathers		e213	10	14-4832-01	994
Pigeon feathers		215	10	14-5032-01	BP5
Rabbit epithelium		e82	10	14-4308-01	542
Rabbit, serum proteins		e206	10	14-5033-01	C2H
Rabbit, urine proteins		e211	10	14-5034-01	C44
Rat epithelium		e73	10	14-4396-01	605
Rat epithelium, serum proteins and urine proteins		e87	10	14-4326-01	554
Rat serum proteins		e75	10	14-4398-01	607
Rat urine proteins		e74	10	14-4397-01	606
Sheep epithelium		e81	10	14-4307-01	541
Swine epithelium		e83	10	14-4309-01	543
Turkey feathers		e89	10	14-4356-01	581
<b>Whole Allergens for Research Use Only</b>					
Swine, urine proteins		Re212	10	14-5039-10	645
<b>Allergen Components*</b>					
nBos d 6 BSA, Cow	<i>Bos spp.</i>	e204	10	14-5009-01	BRV
rCan f 1 Dog	<i>Canis familiaris</i>	e101	10	14-4955-01	CBN
rCan f 2 Dog	<i>Canis familiaris</i>	e102	10	14-4956-01	CBP
nCan f 3 Dog serum albumin	<i>Canis familiaris</i>	e221	10	14-5241-01	C14
rCan f 4 Dog	<i>Canis familiaris</i>	e229	10	14-5755-01	CZY
rCan f 5 Dog	<i>Canis familiaris</i>	e226	10	14-4998-01	CMZ
rCan f 6 Dog	<i>Canis familiaris</i>	e230	10	14-6081-01	E2X
rFel d 1 Cat	<i>Felis domesticus</i>	e94	10	14-4905-01	BY0
rFel d 2 Cat serum albumin	<i>Felis domesticus</i>	e220	10	14-5240-01	BRX
rFel d 4 Cat	<i>Felis domesticus</i>	e228	10	14-5702-01	CT9

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## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Animals – Epidermals &amp; proteins cont'd</b>					
rFel d 7 Cat	<i>Felis domesticus</i>	e231	10	14-6082-01	E2Y
rEqu c 1 Horse	<i>Equus caballus</i>	e227	10	14-5700-01	CN7
nSus s Pig serum albumin, Swine	<i>Sus scrofa</i>	e222	10	14-5242-01	C36
<b>Allergen Components* for Research Use Only</b>					
nGal d 5 Alpha-livetin, Chicken serum albumin <sup>§</sup>	<i>Gallus domesticus</i>	U770	10	14-5872-10	DCN
<b>Mixes</b>					
e1, e3, e4, e5 Cat dander, Horse dander, Cow dander, Dog dander		ex1	16	14-4203-01	444
e1, e5, e6, e87, e88 Cat dander, Dog dander, Guinea pig epithelium, Rat, Mouse		ex2	16	14-4512-01	BN7
e6, e82, e84, e87, e88 Guinea pig epithelium, Rabbit epithelium, Hamster epithelium, Rat, Mouse		ex70	10	14-4276-01	519
e70, e85, e86, e89 Goose feathers, Chicken feathers, Duck feathers, Turkey feathers		ex71	10	14-4277-01	520
e78, e201, e196, e213, e214 Budgerigar feathers, Canary bird feathers, Parakeet feathers, Parrot feathers, Finch feathers		ex72	10	14-4278-01	521
<b>Mites</b>					
<b>Whole Allergens</b>					
Storage mite	<i>Acarus siro</i>	d70	10	14-4300-01	534
House dust mite	<i>Blomia tropicalis</i>	d201	10	14-4896-01	BHP
House dust mite	<i>Dermatophagoides farinae</i>	d2	16	14-4108-01	358
House dust mite	<i>Dermatophagoides microceras</i>	d3	16	14-4241-01	482
House dust mite	<i>Dermatophagoides pteronyssinus</i>	d1	16	14-4107-01	357
House dust mite	<i>Euroglyphus maynei</i>	d74	10	14-4342-01	567
Storage mite	<i>Glycyphagus domesticus</i>	d73	10	14-4393-01	602
Storage mite	<i>Lepidoglyphus destructor</i>	d71	10	14-4301-01	535
Storage mite	<i>Tyrophagus putrescentiae</i>	d72	10	14-4302-01	536
<b>Allergen Components*</b>					
rDer p 1 House dust mite	<i>Dermatophagoides Pteronyssinus</i>	d202	10	14-5996-01	DP4
rDer p 2 House dust mite	<i>Dermatophagoides Pteronyssinus</i>	d203	10	14-4967-01	CG2
rDer p 10 Tropomyosin, House dust mite	<i>Dermatophagoides Pteronyssinus</i>	d205	10	14-4985-01	CG5
rDer p 23 House dust mite	<i>Dermatophagoides Pteronyssinus</i>	d209	10	14-6040-01	DWU
<b>Allergen Components* for Research Use Only</b>					
rBlo t 5 <sup>§</sup>	<i>Blomia tropicalis</i>	U1324	10	14-6103-10	E75
rLep d 2 <sup>§</sup>	<i>Lepidoglyphus destructor</i>	U1366	10	14-6138-10	EDK
<b>House dust</b>					
<b>Whole Allergens</b>					
Greer Labs., Inc.		h1	16	14-4116-01	365
Hollister-Stier Labs.		h2	16	14-4140-01	386
<b>Mix</b>					
h2, d1, d2, i6 Hollister-Stier Labs.	<i>Dermatophagoides pteronyssinus</i> , <i>Dermatophagoides farinae</i> , <i>Blatella germanica</i>	hx2	16	14-4205-01	446

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## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Insects</b>					
<b>Whole Allergens</b>					
Berlin beetle	<i>Trogoderma angustum (Solier)</i>	i76	10	14-4362-01	587
Blood worm	<i>Chironomus thummi (C. riparius)</i>	i73	10	14-4328-01	556
Cockroach, American	<i>Periplaneta americana</i>	i206	10	14-5274-01	C07
Cockroach, German	<i>Blattella germanica</i>	i6	16	14-4224-01	465
Fire ant	<i>Solenopsis invicta</i>	i70	10	14-4343-01	568
Horse fly	<i>Tabanus spp.</i>	i204	10	14-5207-01	BPJ
Mediterranean flour moth	<i>Ephestia (syn. Anagasta) kuehniella</i>	i203	10	14-5151-01	C2J
Mosquito	<i>Aedes spp.</i>	i71	10	14-4316-01	550
Moth	<i>Bombyx mori</i>	i8	16	14-4474-01	829
<b>Whole Allergens for Research Use Only</b>					
Confused flour beetle <sup>§</sup>	<i>Tribolium confusum</i>	U15	10	14-5718-10	CYC
<b>Insects – Venom</b>					
<b>Whole Allergens</b>					
Bumblebee	<i>Bombus terrestris</i>	i205	10	14-5270-01	C06
Common wasp (Yellow jacket)	<i>Vespula spp.</i>	i3	16	14-4525-01	CVA
European Paper Wasp	<i>Polistes dominulus</i>	i77	10	14-4527-01	CVB
European hornet	<i>Vespa crabro</i>	i75	10	14-4340-01	565
Honey bee	<i>Apis mellifera</i>	i1	16	14-4143-01	389
Paper wasp	<i>Polistes spp.</i>	i4	16	14-4526-01	CWX
White-faced hornet	<i>Dolichovespula maculata</i>	i2	16	14-4221-01	462
Yellow hornet	<i>Dolichovespula arenaria</i>	i5	16	14-4223-01	464
<b>Whole Allergens for Research Use Only</b>					
Asian hornet <sup>§</sup>	<i>Vespa velutina</i>	U1223	10	14-6085-10	E4J
<b>Allergen Components*</b>					
rApi m 1 Phospholipase A2, Honey bee	<i>Apis mellifera</i>	i208	10	14-4987-01	CJ7
rApi m 2 Hyaluronidase, Honey bee	<i>Apis mellifera</i>	i214	10	14-6014-01	DUD
rApi m 3, Acid phosphatase, Honey bee	<i>Apis mellifera</i>	i215	10	14-6015-01	DUC
rApi m 5 Dipeptidyl peptidase, Honey bee	<i>Apis mellifera</i>	i216	10	14-6016-01	DUB
rApi m 10 Icarapin, Honey bee	<i>Apis mellifera</i>	i217	10	14-6004-01	DR0
rVes v 1 Phospholipase A1, Common wasp	<i>Vespula</i>	i211	10	14-4995-01	CMR
rVes v 5 Common wasp	<i>Vespula vulgaris</i>	i209	10	14-4992-01	CJ8
rPol d 5 Paper wasp	<i>Polistes dominulus</i>	i210	10	14-4994-01	CJ9
<b>Allergen Components* for Research Use Only</b>					
sApi m 4 <sup>§</sup>	<i>Apis mellifera</i>	U1273	10	14-6126-10	ECH

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## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Drugs</b>					
<b>Whole Allergens</b>					
Amoxicilloyl		c6	16	14-4451-01	991
Ampicilloyl		c5	16	14-4450-01	990
Cefaclor		c7	10	14-5336-01	BP4
Chlorhexidine		c8	10	14-4926-01	C8S
Gelatin bovine		c74	10	14-4854-01	A2X
Insulin human		c73	10	14-4347-01	572
Penicilloyl G		c1	16	14-4164-01	409
Penicilloyl V		c2	16	14-4165-01	410
Pholcodine		c261	10	14-4975-01	CF6
Morphine		c260	10	14-4974-01	CF7
Suxamethonium (succinylcholine)		c202	10	14-5266-01	BRU
<b>Whole Allergens for Research Use Only</b>					
Pancreatin <sup>§</sup>		U523	10	14-5720-10	CYA
Penicillin minor determinant <sup>§</sup>		U233	10	14-5730-10	CY1
Polyhexanide <sup>§</sup>		U898	10	14-6097-10	E6Y
Protamine <sup>§</sup>		U1190	10	14-6002-10	DPV
Rocuronium <sup>§</sup>		U254	10	14-5717-10	CYD
<b>Occupational</b>					
<b>Whole Allergens</b>					
Cotton seed		k83	10	14-4366-01	591
Ethylene oxide		k78	10	14-4314-01	548
Ficus	<i>Ficus spp.</i>	k81	10	14-4365-01	590
Formaldehyde/Formalin		k80	10	14-4341-01	566
Isocyanate HDI (Hexamethylene diisocyanate)		k77	10	14-4313-01	547
Isocyanate MDI (Diphenylmethane diisocyanate)		k76	10	14-4312-01	546
Isocyanate TDI (Toluene diisocyanate)		k75	10	14-4311-01	545
Ispaghula		k72	10	14-4348-01	573
Latex	<i>Hevea brasiliensis</i>	k82	10	14-4511-01	BJ1
Phthalic anhydride		k79	10	14-4315-01	549
Sunflower seed		k84	10	14-4367-01	592
<b>Whole Allergens for Research Use Only</b>					
Peroxidase <sup>§</sup>		U395	10	14-5726-10	CY5
Glucoamylase <sup>§</sup>		U296	10	14-5713-10	CYH
<b>Allergen Components*</b>					
rHev b 1 Latex	<i>Hevea brasiliensis</i>	k215	10	14-5324-01	C20
rHev b 3 Latex	<i>Hevea brasiliensis</i>	k217	10	14-5326-01	C2A
rHev b 5 Latex	<i>Hevea brasiliensis</i>	k218	10	14-5327-01	C1Z
rHev b 6.02 Latex	<i>Hevea brasiliensis</i>	k220	10	14-5329-01	C22
rHev b 8 Profilin, Latex	<i>Hevea brasiliensis</i>	k221	10	14-5330-01	C1V
rHev b 11 Latex	<i>Hevea brasiliensis</i>	k224	10	14-5333-01	C29
nAna c 2 Bromelain, Pineapple	<i>Ananas comosus</i>	k202	10	14-5127-01	BT1
nAsp o 21 alpha-amylase	<i>Aspergillus oryzae</i>	k87	10	14-4370-01	595
nGal d 4 Lysozyme, Egg	<i>Gallus spp.</i>	k208	10	14-5128-01	C0T

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## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Parasites</b>					
<b>Whole Allergens</b>					
Anisakis		p4	16	14-4475-01	830
Ascaris		p1	16	14-4244-01	483
<b>Miscellaneous</b>					
<b>Whole Allergens</b>					
Cotton, crude fibers		o1	16	14-4476-01	831
nGal-alpha-1,3-Gal (alpha-Gal)		o215	10	14-5997-01	DPC
Thyroglobulin, bovine					
Mealworm	<i>Tenebrio molitor</i>	o211	10	14-5251-01	C3C
MUXF3 CCD, Bromelain		o214	10	14-5339-01	CJU
Seminal fluid		o70	10	14-4371-01	596
<b>Whole Allergens for Research Use Only</b>					
Hemp <sup>§</sup>	<i>Cannabis sativa</i>	U901	10	14-5711-10	CYK
MBP (maltose binding protein)		Ro213	10	14-5334-10	BN3
Streptavidin		Ro212	10	14-5320-10	BK5
<b>Allergen Components*</b>					
rCan s3 <sup>§</sup>	<i>Cannabis sativa</i>	U1368	10	14-6140-10	EED
<b>Regional Mixes</b>					
g6, w6, w9, w21, t3 <i>Phleum pratense, Artemisia vulgaris, Plantago lanceolata, Parietaria judaica, Betula verrucosa</i>		rx1	10	14-5193-01	BRN
d2, e1, e3, e5, m6 <i>Dermatophagoides farinae, Cat dander, Horse dander, Dog dander, Alternaria alternata</i>		rx2	10	14-5184-01	BPS
g2, g5, g17, w1, w9, w10 <i>Cynodon dactylon, Lolium perenne, Paspalum notatum, Ambrosia elatior, Plantago lanceolata, Chenopodium album</i>		rx3	10	14-5198-01	BTT
d1, e1, m3, i6 <i>Dermatophagoides pteronyssinus, Cat dander, Aspergillus fumigatus, Blatella germanica</i>		rx5	10	14-5246-01	BPT
t3, g6, w6, m2, m6 <i>Betula verrucosa, Phleum pratense, Artemisia vulgaris, Cladosporium herbarum, Alternaria alternata</i>		rx6	10	14-5322-01	BPU
d1, e1, e3, e5, e82 <i>Dermatophagoides pteronyssinus, Cat dander, Horse dander, Dog dander, Rabbit epithelium</i>		rx7	10	14-5323-01	BPW
<b>Foods – Fruits &amp; vegetables</b>					
<b>Whole Allergens</b>					
Apple	<i>Malus x domestica</i>	f49	16	14-4220-01	461
Apricot	<i>Prunus armeniaca</i>	f237	10	14-4812-01	911
Asparagus	<i>Asparagus officinalis</i>	f261	10	14-5046-01	C0B
Aubergine, eggplant	<i>Solanum melongena</i>	f262	10	14-5047-01	BZZ
Avocado	<i>Persea americana</i>	f96	10	14-4346-01	571
Bamboo shoot	<i>Phyllostachys pubescens</i>	f51	16	14-4455-01	815
Banana	<i>Musa spp.</i>	f92	10	14-4334-01	561
Beetroot	<i>Beta vulgaris</i>	f319	10	14-5216-01	C1A
Blackberry	<i>Rubus fruticosus</i>	f211	10	14-5051-01	C0E
Blueberry	<i>Vaccinium myrtillus</i>	f288	10	14-5052-01	BTF

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## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Foods – Fruits &amp; vegetables, cont'd</b>					
Broccoli	<i>Brassica oleracea var. italica</i>	f260	10	14-4841-01	AAD
Brussel sprouts	<i>Brassica oleracea var. gemmifera</i>	f217	10	14-5054-01	C1S
Cabbage	<i>Brassica oleracea var. capitata</i>	f216	10	14-4814-01	913
Carrot	<i>Daucus carota</i>	f31	16	14-4210-01	451
Cauliflower	<i>Brassica oleracea var. botrytis</i>	f291	10	14-5060-01	C05
Celery	<i>Apium graveolens</i>	f85	10	14-4296-01	530
Cherry	<i>Prunus avium</i>	f242	10	14-4811-01	910
Cucumber	<i>Cucumis sativus</i>	f244	10	14-4839-01	AAB
Date	<i>Phoenix dactylifera</i>	f289	10	14-5068-01	BSF
Fennel, fresh	<i>Foeniculum vulgare</i>	f276	10	14-5071-01	BTG
Fig	<i>Ficus carica</i>	f328	10	14-5244-01	BSR
Garlic	<i>Allium sativum</i>	f47	16	14-4218-01	459
Grape	<i>Vitis vinifera</i>	f259	10	14-4809-01	908
Grapefruit	<i>Citrus paradisi</i>	f209	16	14-4431-01	680
Kiwi	<i>Actinidia deliciosa</i>	f84	10	14-4295-01	529
Lemon	<i>Citrus limon</i>	f208	10	14-4829-01	685
Lettuce	<i>Lactuca sativa</i>	f215	10	14-4813-01	912
Lime	<i>Citrus aurantifolia</i>	f306	10	14-5188-01	BTN
Mandarin (tangerine, clementine, satsumas)	<i>Citrus reticulata</i>	f302	10	14-5160-01	BPB
Mango	<i>Mangifera indica</i>	f91	10	14-4331-01	559
Melon	<i>Cucumis melo spp.</i>	f87	10	14-4298-01	532
Olive (black, fresh)	<i>Olea europaea</i>	f342	10	14-5279-01	C0F
Onion	<i>Allium cepa</i>	f48	16	14-4219-01	460
Orange	<i>Citrus sinensis</i>	f33	16	14-4129-01	377
Papaya	<i>Carica papaya</i>	f293	10	14-5089-01	BSG
Passion fruit	<i>Passiflora edulis</i>	f294	10	14-5091-01	C0W
Peach	<i>Prunus persica</i>	f95	10	14-4337-01	564
Pear	<i>Pyrus communis</i>	f94	10	14-4336-01	563
Persimon (kaki fruit, sharon)	<i>Diospyros kaki</i>	f301	10	14-5161-01	C2B
Pineapple	<i>Ananas comosus</i>	f210	10	14-4810-01	909
Plum	<i>Prunus domestica</i>	f255	10	14-4840-01	AAC
Potato	<i>Solanum tuberosum</i>	f35	16	14-4211-01	452
Pumpkin	<i>Cucurbita pepo</i>	f225	16	14-4433-01	705
Raspberry	<i>Rubus idaeus</i>	f343	10	14-5280-01	C09
Spinach	<i>Spinachia oleracea</i>	f214	16	14-4432-01	707
Strawberry	<i>Fragaria vesca</i>	f44	16	14-4216-01	457
Sweet potato	<i>Ipomea batatas</i>	f54	16	14-4458-01	823
Tomato	<i>Lycopersicon lycopersicum</i>	f25	16	14-4182-01	425
Watermelon	<i>Citrullus lanatus</i>	f329	10	14-5245-01	BSS
<b>Whole Allergens for Research Use Only</b>					
Cranberry	<i>Vaccinium oxycoccus</i>	Rf341	10	14-5269-10	AKT
<b>Allergen Components*</b>					
rAct d 8 PR-10, Kiwi	<i>Actinidia deliciosa</i>	f430	10	14-4984-01	CG7
rApi g 1.01 PR-10, Celery	<i>Apium graveolens</i>	f417	10	14-4957-01	CBR
rMal d 1 PR-10, Apple	<i>Malus domestica</i>	f434	10	14-5703-01	CWR
rMal d 3 LTP, Apple	<i>Malus domestica</i>	f435	10	14-5704-01	CWS
rPru p 1 PR-10, Peach	<i>Prunus persica</i>	f419	10	14-4960-01	CBV
rPru p 3 LTP, Peach	<i>Prunus persica</i>	f420	10	14-4961-01	CBW
rPru p 4 Profilin, Peach	<i>Prunus persica</i>	f421	10	14-4962-01	CBX
rPru p 7 Peach	<i>Prunus persica</i>	f454	10	14-6086-01	E3Z

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## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Foods – Seeds, legumes &amp; nuts</b>					
<b>Whole Allergens</b>					
Almond	<i>Amygdalus communis</i>	f20	16	14-4179-01	422
Barley	<i>Hordeum vulgare</i>	f6	16	14-4172-01	415
Brazil nut	<i>Bertholletia excelsa</i>	f18	16	14-4178-01	421
Buckwheat	<i>Fagopyrum esculentum</i>	f11	16	14-4125-01	374
Cashew nut	<i>Anacardium occidentale</i>	f202	10	14-4835-01	997
Chick pea	<i>Cicer arietinus</i>	f309	10	14-5196-01	BTS
Coconut	<i>Cocos nucifera</i>	f36	16	14-4212-01	453
Common millet	<i>Panicum milliaceum</i>	f55	16	14-4459-01	813
Fenugreek	<i>Trigonella foenum-graecum</i>	f305	10	14-5187-01	C3D
Foxtail millet	<i>Setaria italica</i>	f56	16	14-4460-01	824
Gluten		f79	10	14-4291-01	525
Green bean	<i>Phaseolus vulgaris</i>	f315	10	14-5211-01	BSM
Hazel nut	<i>Corylus avellana</i>	f17	16	14-4528-01	D2F
Lentil	<i>Lens esculenta</i>	f235	10	14-4815-01	914
Lima bean	<i>Phaseolus lunatus</i>	f182	10	14-4929-01	CC3
Linseed	<i>Linum usitatissimum</i>	f333	10	14-5250-01	C13
Lupin seed	<i>Lupinus albus</i>	f335	10	14-5254-01	BST
Macadamia nut	<i>Macadamia spp.</i>	f345	10	14-5282-01	BTX
Maize, Corn	<i>Zea mays</i>	f8	16	14-4124-01	373
Oat	<i>Avena sativa</i>	f7	16	14-4173-01	416
Pea	<i>Pisum sativum</i>	f12	16	14-4176-01	419
Peanut	<i>Arachis hypogaea</i>	f13	16	14-4126-01	375
Pecan nut	<i>Carya illinoensis</i>	f201	10	14-4807-01	906
Pine nut, pignoles	<i>Pinus edulis</i>	f253	10	14-5093-01	BS3
Pistachio	<i>Pistacia vera</i>	f203	10	14-4836-01	998
Poppy seed	<i>Papaver somniferum</i>	f224	10	14-5097-01	BS1
Pumpkin seed	<i>Cucurbita pepo</i>	f226	10	14-5098-01	C1U
Quinoa	<i>Chenopodium quinoa</i>	f347	10	14-5284-01	C1T
Rape seed	<i>Brassica napus</i>	f316	10	14-5213-01	C10
Red kidney bean	<i>Phaseolus vulgaris</i>	f287	10	14-5100-01	BSE
Rice	<i>Oryza sativa</i>	f9	16	14-4174-01	417
Rye	<i>Secale cereale</i>	f5	16	14-4123-01	372
Sesame seed	<i>Sesamum indicum</i>	f10	16	14-4175-01	418
Soybean	<i>Glycine max</i>	f14	16	14-4115-01	364
Spelt wheat	<i>Triticum spelta</i>	f124	10	14-4914-01	BY6
Sugar-beet seed	<i>Beta vulgaris</i>	f227	10	14-5102-01	BTK
Sweet chestnut	<i>Castanea sativa</i>	f299	10	14-4843-01	AAF
Walnut	<i>Juglans spp.</i>	f256	16	14-4521-01	CME
Wheat	<i>Triticum aestivum</i>	f4	16	14-4113-01	363
White bean	<i>Phaseolus vulgaris</i>	f15	16	14-4177-01	420
<b>Allergen Components*</b>					
rAna o 3 Cashew nut	<i>Anacardium occidentale</i>	f443	10	14-5760-01	D0W
rAra h 1 Peanut	<i>Arachis hypogaea</i>	f422	10	14-4963-01	CDF
rAra h 2 Peanut	<i>Arachis hypogaea</i>	f423	10	14-4964-01	CDG
rAra h 3 Peanut	<i>Arachis hypogaea</i>	f424	10	14-4965-01	CDH
rAra h 6 Peanut	<i>Arachis hypogaea</i>	f447	10	14-6041-01	DYU
rAra h 8 PR-10, Peanut	<i>Arachis hypogaea</i>	f352	10	14-5341-01	CEZ
rAra h 9 LTP, Peanut	<i>Arachis hypogaea</i>	f427	10	14-4980-01	CFC
rBer e 1 Brazil nut	<i>Bertholletia excelsa</i>	f354	10	14-5343-01	CDS
rCor a 1 PR-10, Hazel nut	<i>Corylus avellana</i>	f428	10	14-4981-01	CFB
rCor a 8 LTP, Hazel nut	<i>Corylus avellana</i>	f425	10	14-4968-01	CDP
nCor a 9, Hazel nut	<i>Corylus avellana</i>	f440	10	14-5758-01	D0M
rCor a 14, Hazel nut	<i>Corylus avellana</i>	f439	10	14-5754-01	CZP

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## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Foods – Seeds, legumes &amp; nuts, cont'd</b>					
rGly m 4 PR-10, Soy	<i>Glycine max</i>	f353	10	14-5340-01	CDR
nGly m 5 beta-conglycinin, Soy	<i>Glycine max</i>	f431	10	14-4990-01	CLV
nGly m 6 Glycinin	<i>Glycine max</i>	f432	10	14-4991-01	CLU
rJug r 1 Walnut	<i>Juglans regia</i>	f441	10	14-5762-01	D0T
rJug r 3 LTP, Walnut	<i>Juglans regia</i>	f442	10	14-5954-01	D11
rSes i 1 Sesame seed	<i>Sesamum indicum</i>	f449	10	14-6109-01	E7M
rTri a 14 LTP, Wheat	<i>Triticum aestivum</i>	f433	10	14-5701-01	CN6
rTri a 19 Omega-5 Gliadin, Wheat Gliadin	<i>Triticum aestivum</i>	f416 f98	10 10	14-4954-01 14-5752-01	C8H CXG

<b>Foods – Spices</b>					
<b>Whole Allergens</b>					
Anise	<i>Pimpinella anisum</i>	f271	10	14-5044-01	BP9
Basil	<i>Ocimum basilicum</i>	f269	10	14-5048-01	BS7
Bay leaf	<i>Laurus nobilis</i>	f278	10	14-5049-01	BSC
Black pepper	<i>Piper nigrum</i>	f280	10	14-4817-01	916
Caraway	<i>Carum carvi</i>	f265	10	14-5057-01	BP8
Chillipepper	<i>Capsicum frutescens</i>	f279	10	14-5062-01	BSD
Clove	<i>Syzygium aromaticum</i>	f268	10	14-5064-01	BS6
Coriander	<i>Coriandrum sativum</i>	f317	10	14-5214-01	BSN
Dill	<i>Anethum graveolens</i>	f277	10	14-5069-01	C0S
Ginger	<i>Zingiber officinale</i>	f270	10	14-5072-01	BS8
Green pepper (unripe seed)	<i>Piper nigrum</i>	f263	10	14-5075-01	BS5
Lovage	<i>Levisticum officinale</i>	f275	10	14-5082-01	C2Z
Mace	<i>Myristica fragrans</i>	f266	10	14-5083-01	C2X
Marjoram	<i>Origanum majorana</i>	f274	10	14-5084-01	BSB
Mint	<i>Mentha piperita</i>	f332	10	14-5249-01	C1G
Mustard	<i>Brassica/Sinapis spp.</i>	f89	10	14-4329-01	557
Oregano	<i>Origanum vulgare</i>	f283	10	14-5088-01	BTJ
Paprika, Sweet pepper	<i>Capsicum annum</i>	f218	10	14-4816-01	915
Parsley	<i>Petroselinum crispum</i>	f86	10	14-4297-01	531
Tarragon	<i>Artemisia dracunculus</i>	f272	10	14-5103-01	BS9
Thyme	<i>Thymus vulgaris</i>	f273	10	14-5105-01	BSA
Vanilla	<i>Vanilla planifolia</i>	f234	10	14-5106-01	BS2
<b>Whole Allergens for Research Use Only</b>					
Cinnamon	<i>Cinnamomum spp.</i>	Rf220	10	14-5063-10	669
Nutmeg	<i>Myristica fragrans</i>	Rf282	10	14-5087-10	693

<b>Foods – Fish, shellfish &amp; mollusks</b>					
<b>Whole Allergens</b>					
Abalone	<i>Haliotis spp.</i>	f346	10	14-5283-01	BTY
Anchovy	<i>Engraulis encrasicolus</i>	f313	10	14-5209-01	BSL
Blue mussel	<i>Mytilus edulis</i>	f37	16	14-4213-01	454
Cat fish	<i>Ictalurus punctatus</i>	f369	10	14-4930-01	CC4
Chub mackerel	<i>Scomber japonicus</i>	f50	16	14-4454-01	812
Clam	<i>Ruditapes spp.</i>	f207	10	14-4820-01	919
Crab	<i>Chionoecetes spp.</i>	f23	16	14-4180-01	423
Crayfish	<i>Astacus astacus</i>	f320	10	14-5219-01	BSP
Fish (cod)	<i>Gadus morhua</i>	f3	16	14-4159-01	404
Gulf flounder	<i>Paralichthys albigutta</i>	f147	10	14-4928-01	CC2
Haddock	<i>Melanogrammus aeglefinus</i>	f42	10	14-4939-01	CCC

## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Foods – Fish, shellfish &amp; mollusks, cont'd</b>					
Hake	<i>Merluccius merluccius</i>	f307	10	14-5194-01	BTP
Halibut	<i>Hippoglossus hippoglossus</i>	f303	10	14-5158-01	BZX
Herring	<i>Clupea harengus</i>	f205	10	14-4837-01	999
Jack mackerel, Scad	<i>Trachurus japonicus</i>	f60	16	14-4464-01	827
Langust (spiny lobster)	<i>Palinurus spp.</i>	f304	10	14-5159-01	BTM
Lobster	<i>Homarus gammarus</i>	f80	10	14-4292-01	526
Mackerel	<i>Scomber scombrus</i>	f206	10	14-5019-01	BRY
Megrim	<i>Lepidorhombus whiffiagonis</i>	f311	10	14-5204-01	BSK
Octopus	<i>Octopus vulgaris</i>	f59	16	14-4463-01	826
Oyster	<i>Ostrea edulis</i>	f290	10	14-4842-01	AAE
Pacific squid	<i>Todarodes pacificus</i>	f58	16	14-4462-01	814
Plaice	<i>Pleuronectes platessa</i>	f254	16	14-4434-01	647
Pollock	<i>Pollachius virens</i>	f413	10	14-4936-01	CC9
Red snapper	<i>Lutjanus campechanus</i>	f381	10	14-4931-01	CC5
Salmon	<i>Salmo salar</i>	f41	16	14-4215-01	456
Sardine (Pilchard)	<i>Sardina pilchardus</i>	f308	10	14-5195-01	BTR
Sardine, Japanese Pilchard	<i>Sardinops melanosticta</i>	f61	16	14-4465-01	828
Scallop	<i>Pecten spp.</i>	f338	10	14-4895-01	BHN
Shrimp	<i>Pandalus borealis, Penaeus monodon, Metapenaeopsis barbata, Metapenaeus joyneri</i>	f24	16	14-4181-01	424
Snail	<i>Helix aspersa</i>	f314	10	14-5210-01	BU8
Sole	<i>Solea solea</i>	f337	10	14-5256-01	BTV
Squid	<i>Loligo spp.</i>	f258	10	14-5142-01	BS4
Swordfish	<i>Xiphias gladius</i>	f312	10	14-5205-01	C08
Tilapia	<i>Oreochromis spp.</i>	f414	10	14-4937-01	CCA
Trout	<i>Oncorhynchus mykiss (Salmo gairdneri)</i>	f204	10	14-4819-01	918
Tuna	<i>Thunnus albacares</i>	f40	16	14-4214-01	455
Walleye pike	<i>Sander vitreus (Stizostedion vitreum)</i>	f415	10	14-4938-01	CCB
Whitefish (Inconnu)	<i>Stenodus spp.</i>	f384	10	14-4932-01	CC6
<b>Whole Allergens for Research Use Only</b>					
Mahi-mahi <sup>§</sup>	<i>Coryphaena hippurus</i>	U510	10	14-5802-10	DAJ
<b>Allergen Components*</b>					
rCyp c 1 Carp	<i>Cyprinus carpio</i>	f355	10	14-5344-01	CF0
rGad c 1 Cod	<i>Gadus morhua</i>	f426	10	14-4971-01	CEY
rPen a 1 Tropomyosin, Shrimp	<i>Penaeus aztecus</i>	f351	10	14-5335-01	C11
<b>Foods – Egg &amp; fowl</b>					
<b>Whole Allergens</b>					
Whole hen's egg	<i>Gallus spp.</i>	f245	10	14-4826-01	925
Egg white	<i>Gallus spp.</i>	f1	16	14-4111-01	361
Egg yolk	<i>Gallus spp.</i>	f75	16	14-4184-01	427
Chicken	<i>Gallus spp.</i>	f83	16	14-4185-01	428
Turkey meat	<i>Meleagris gallopavo</i>	f284	10	14-4818-01	917

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## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Foods – Egg &amp; fowl, cont'd</b>					
<b>Allergen Components*</b>					
nGal d 1 Ovomuroid, Egg	<i>Gallus spp.</i>	f233	10	14-4805-01	904
nGal d 2 Ovalbumin, Egg	<i>Gallus spp.</i>	f232	10	14-4804-01	903
nGal d 3 Conalbumin, Egg	<i>Gallus spp.</i>	f323	10	14-5222-01	C18
<b>Foods – Meat</b>					
<b>Whole Allergens</b>					
Beef	<i>Bos spp.</i>	f27	16	14-4209-01	450
Mutton	<i>Ovis spp.</i>	f88	10	14-4299-01	533
Pork	<i>Sus spp.</i>	f26	16	14-4183-01	426
Rabbit	<i>Oryctolagus spp.</i>	f213	10	14-4838-01	AAA
<b>Foods – Milk</b>					
<b>Whole Allergens</b>					
Cheese, cheddar type		f81	10	14-4293-01	527
Cheese, mold type		f82	10	14-4294-01	528
Cow's whey	<i>Bos spp.</i>	f236	10	14-5114-01	BP6
Goat's milk		f300	10	14-5144-01	BSJ
Mare's milk	<i>Equus spp.</i>	f286	10	14-5109-01	C2K
Cow's milk	<i>Bos spp.</i>	f2	16	14-4112-01	362
Cow's milk, boiled	<i>Bos spp.</i>	f231	10	14-4806-01	905
Sheep's milk	<i>Ovis spp.</i>	f325	10	14-5237-01	C0C
Sheep's milk	<i>Ovis spp.</i>	f326	10	14-5238-01	C2U
<b>Allergen Components*</b>					
nBos d 4 alpha-lactalbumin, Milk	<i>Bos spp.</i>	f76	10	14-4522-01	CTP
nBos d 5 beta-lactoglobulin, Milk	<i>Bos spp.</i>	f77	10	14-4523-01	CTR
nBos d 8 Casein, Milk	<i>Bos spp.</i>	f78	10	14-4524-01	CTS
<b>Foods – Additives</b>					
<b>Whole Allergens</b>					
Carob (E410)	<i>Ceratonia siliqua</i>	f296	10	14-5137-01	C0U
Guar, guar gum (E412)	<i>Cyamopsis tetragonolobus</i>	f246	10	14-5076-01	C0H
Gum arabic (E414)	<i>Acacia spp.</i>	f297	10	14-5138-01	BSH
Cochineal extract / Carmine red (E120)	<i>Dactylopius coccus</i>	f340	10	14-5268-01	C0V
<b>Foods – Miscellaneous</b>					
<b>Whole Allergens</b>					
Cacao	<i>Theobroma cacao</i>	f93	10	14-4335-01	562
Coffee	<i>Coffea spp.</i>	f221	10	14-5065-01	BRZ
Malt	<i>Hordeum vulgare</i>	f90	10	14-4330-01	558
Mushroom (champignon)	<i>Agaricus hortensis</i>	f212	10	14-5086-01	BTH
Tea	<i>Camellia sinensis</i>	f222	10	14-5104-01	BS0
Yeast	<i>Saccharomyces cerevisiae</i>	f45	16	14-4217-01	458

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## ImmunoCAP Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Food – Mixes</b>					
f13, f17, f18, f20, f36 Peanut, Hazel nut, Brazil nut, Almond, Coconut		fx1	16	14-4206-01	447
f3, f24, f37, f40, f41 Fish, Shrimp, Blue mussel, Tuna, Salmon		fx2	16	14-4207-01	448
f4, f7, f8, f10, f11 Wheat, Oat, Maize, Sesame seed, Buckwheat		fx3	16	14-4208-01	449
f1, f2, f3, f4, f13, f14 Egg white, Milk, Fish, Wheat, Peanut, Soybean		fx5	16	14-4275-01	513
f25, f45, f47, f48, f85 Tomato, Yeast, Garlic, Onion, Celery		fx7	10	14-4844-01	AAG
f12, f15, f31, f35 Pea, White bean, Carrot, Potato		fx13	10	14-4848-01	AAL
f25, f214, f216, f218 Tomato, Spinach, Cabbage, Paprika		fx14	10	14-4849-01	AAM
f33, f49, f92, f95 Orange, Apple, Banana, Peach		fx15	10	14-4850-01	AAN
f44, f94, f208, f210 Strawberry, Pear, Lemon, Pineapple		fx16	10	14-4851-01	AAP
f49, f92, f94, f95 Apple, Banana, Pear, Peach		fx17	10	14-5179-01	BPE
f12, f13, f14 Pea, Peanut, Soybean		fx18	10	14-4852-01	AAR
f4, f5, f6, f9 Wheat, Rye, Barley, Rice		fx20	10	14-4853-01	AAS
f84, f87, f92, f95, f210 Kiwi, Melon, Banana, Peach, Pineapple		fx21	10	14-5206-01	BPG
f201, f202, f203, f256 Pecan nut, Cashew nut, Pistachio, Walnut		fx22	10	14-5212-01	BPH
f17, f24, f84, f92 Hazel nut, Shrimp, Kiwi, Banana		fx24	10	14-4856-01	A7F
f10, f45, f47, f85 Sesame seed, Yeast, Garlic, Celery		fx25	10	14-4857-01	A7G
f1, f2, f13, f89 Egg white, Cow's milk, Peanut, Mustard		fx26	10	14-4894-01	BEX
f3, f4, f14, f17 Fish (cod), Wheat, Soybean, Hazel nut		fx27	10	14-4893-01	BEW
f10, f24, f27, f84 Sesame seed, Shrimp, Beef, Kiwi		fx28	10	14-4892-01	BEV
f33, f208, f209, f302 Orange, Lemon, Grapefruit, Mandarin		fx29	10	14-4915-01	BY7
f84, f91, f92, f96, f293 Kiwi, Mango, Banana, Avocado, Papaya		fx30	10	14-4916-01	BY8
f49, f94, f95, f242, f255 Apple, Pear, Peach, Cherry, Plum		fx31	10	14-4917-01	BY9
f272, f274, f273, f275 Tarragon, Marjoram, Thyme, Lovage		fx70	10	14-4357-01	582
f265, f266, f267, f268 Caraway, Mace, Cardamom, Clove		fx71	10	14-4358-01	583
f26, f27, f83 Pork, Beef, Chicken		fx73	10	14-4825-01	924
f3, f205, f206, f254 Cod, Herring, Mackerel, Plaice		fx74	10	14-4827-01	926
f10, f17, f25, f84, f202 Sesame seed, Hazel nut, Tomato, Kiwi, Cashew nut		fx77	16	14-4988-01	CJ5

# ImmunoCAP Allergen Component Quick Reference

ImmunoCAP Allergen Components\* measure specific IgE antibodies to individual molecular allergens in serum or plasma. These allergens, which are purified native or recombinant proteins, offer the unique opportunity to assess a person's allergic sensitization pattern at the molecular level. Different component groups often elicit different types of reactions, so testing them can indicate if a patient's prior symptoms or positive test results were caused by allergy to a given substance or by a cross-reaction with another allergen. Component testing also helps the clinician weigh a patient's risk of a systemic reaction versus a more mild or localized response.

Reference: Canonica GW, et al. World Allergy Organ J. 2013;6:17.

Common* Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Grass pollens</b>					
nCyn d 1 Bermuda grass	<i>Cynodon dactylon</i>	g216	10	14-4972-01	CFA
rPhl p 1 Timothy	<i>Phleum pratense</i>	g205	10	14-5234-01	BSU
rPhl p 2 Timothy	<i>Phleum pratense</i>	g206	10	14-5235-01	C0K
nPhl p 4 Timothy	<i>Phleum pratense</i>	g208	10	14-5288-01	C0L
rPhl p 5b Timothy	<i>Phleum pratense</i>	g215	10	14-5338-01	BV3
rPhl p 6 Timothy	<i>Phleum pratense</i>	g209	10	14-5289-01	BSV
rPhl p 7 Timothy	<i>Phleum pratense</i>	g210	10	14-5290-01	BSW
rPhl p 11 Timothy	<i>Phleum pratense</i>	g211	10	14-5291-01	BSX
rPhl p 12 Profilin, Timothy	<i>Phleum pratense</i>	g212	10	14-5292-01	BSY
rPhl p 1, rPhl p 5b Timothy	<i>Phleum pratense</i>	g213	10	14-5312-01	BU1
rPhl p 7, rPhl p 12 Timothy	<i>Phleum pratense</i>	g214	10	14-5313-01	BU2
<b>Weed pollens</b>					
nAmb a 1 Ragweed	<i>Ambrosia artemisiifolia (A. elatior)</i>	w230	10	14-4969-01	CF8
nArt v 1 Mugwort	<i>Artemisia vulgaris</i>	w231	10	14-4970-01	CF9
nArt v 3 LTP, Mugwort	<i>Artemisia vulgaris</i>	w233	10	14-4983-01	CJ2
rPar j 2 LPT, Wall pellitory	<i>Parietaria judaica</i>	w211	10	14-5311-01	C2M
rPla l 1 Plantain	<i>Plantago lanceolata</i>	w234	10	14-5751-01	D1H
nSal k 1 Saltwort	<i>Salsola kali</i>	w232	10	14-4978-01	CFE
<b>Tree pollens</b>					
rBet v 1 PR-10, Birch	<i>Betula verrucosa</i>	t215	10	14-5225-01	BPV
rBet v 2 Profilin, Birch	<i>Betula verrucosa</i>	t216	10	14-5226-01	BR1
rBet v 4 Birch	<i>Betula verrucosa</i>	t220	10	14-5287-01	BT7
rBet v 6 Birch	<i>Betula verrucosa</i>	t225	10	14-5345-01	CF1
rBet v 2, rBet v 4 Birch	<i>Betula verrucosa</i>	t221	10	14-5310-01	BU0
nCup a 1 Cypress	<i>Cupressus arizonica</i>	t226	10	14-4977-01	CFD
rOle e 1 Olive	<i>Olea europaea</i>	t224	10	14-5705-01	CTC
nOle e 7 LTP, Olive	<i>Olea europaea</i>	t227	10	14-4993-01	CKT
rOle e 9, Olive	<i>Olea europaea</i>	t240	10	14-4999-01	CTZ
rPla a 1 Maple leaf sycamore, London plane	<i>Platanus acerifolia</i>	t241	10	14-5957-01	D2H
<b>Microorganisms</b>					
rAlt a 1	<i>Alternaria alternata</i>	m229	10	14-5346-01	CE0
rAsp f 1	<i>Aspergillus fumigatus</i>	m218	10	14-5293-01	BPL
rAsp f 2	<i>Aspergillus fumigatus</i>	m219	10	14-5294-01	BPM
rAsp f 3	<i>Aspergillus fumigatus</i>	m220	10	14-5295-01	BT4
rAsp f 4	<i>Aspergillus fumigatus</i>	m221	10	14-5296-01	BPN
rAsp f 6	<i>Aspergillus fumigatus</i>	m222	10	14-5297-01	BPP

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## ImmunoCAP Allergen Component\* Quick Reference, cont'd

Common* Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Animals – Epidermals &amp; proteins</b>					
nBos d 6 BSA, Cow	<i>Bos spp.</i>	e204	10	14-5009-01	BRV
rCan f 1 Dog	<i>Canis familiaris</i>	e101	10	14-4955-01	CBN
rCan f 2 Dog	<i>Canis familiaris</i>	e102	10	14-4956-01	CBP
nCan f 3 Dog serum albumin	<i>Canis familiaris</i>	e221	10	14-5241-01	C14
rCan f 4 Dog	<i>Canis familiaris</i>	e229	10	14-5755-01	CZY
rCan f 5 Dog	<i>Canis familiaris</i>	e226	10	14-4998-01	CMZ
rCan f 6 Dog	<i>Canis familiaris</i>	e230	10	14-6081-01	E2X
rFel d 1 Cat	<i>Felis domesticus</i>	e94	10	14-4905-01	BY0
rFel d 2 Cat serum albumin	<i>Felis domesticus</i>	e220	10	14-5240-01	BRX
rFel d 4 Cat	<i>Felis domesticus</i>	e228	10	14-5702-01	CT9
rFel d 7 Cat	<i>Felis domesticus</i>	e231	10	14-6082-01	E2Y
rEqu c 1 Horse	<i>Equus caballus</i>	e227	10	14-5700-01	CN7
nSus s Pig serum albumin, Swine	<i>Sus scrofa</i>	e222	10	14-5242-01	C36
<b>Research Use Only</b>					
nGal d 5 Alpha-livetin, Chicken serum albumin <sup>§</sup>	<i>Gallus domesticus</i>	U770	10	14-5872-10	DCN
<b>Mites</b>					
rDer p 1 House dust mite	<i>Dermatophagoides Pteronyssinus</i>	d202	10	14-5996-01	DP4
rDer p 2 House dust mite	<i>Dermatophagoides Pteronyssinus</i>	d203	10	14-4967-01	CG2
rDer p 10 Tropomyosin, House dust mite	<i>Dermatophagoides Pteronyssinus</i>	d205	10	14-4985-01	CG5
rDer p 23 House dust mite	<i>Dermatophagoides Pteronyssinus</i>	d209	10	14-6040-01	DWU
<b>Research Use Only</b>					
rBlo t 5 <sup>§</sup>	<i>Blomia tropicalis</i>	U1324	10	14-6103-10	E75
rLep d 2 <sup>§</sup>	<i>Lepidoglyphus destructor</i>	U1366	10	14-6138-10	EDK
<b>Insects – Venom</b>					
rApi m 1 Phospholipase A2, Honey bee	<i>Apis mellifera</i>	i208	10	14-4987-01	CJ7
rApi m 2 Hyaluronidase, Honey bee	<i>Apis mellifera</i>	i214	10	14-6014-01	DUD
rApi m 3, Acid phosphatase, Honey bee	<i>Apis mellifera</i>	i215	10	14-6015-01	DUC
rApi m 5 Dipeptidyl peptidase, Honey bee	<i>Apis mellifera</i>	i216	10	14-6016-01	DUB
rApi m 10 Icarapin, Honey bee	<i>Apis mellifera</i>	i217	10	14-6004-01	DR0
rVes v 1 Phospholipase A1, Common wasp	<i>Vespula</i>	i211	10	14-4995-01	CMR
rVes v 5 Common wasp	<i>Vespula vulgaris</i>	i209	10	14-4992-01	CJ8
rPol d 5 Paper wasp	<i>Polistes dominulus</i>	i210	10	14-4994-01	CJ9
<b>Research Use Only</b>					
sApi m 4* <sup>§</sup>	<i>Apis mellifera</i>	U1273	10	14-6126-10	ECH

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§ Shelf life and delivery times may differ from standard products.

## ImmunoCAP Allergen Component\* Quick Reference, cont'd

Common* Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Occupational – Latex</b>					
rHev b 1 Latex	<i>Hevea brasiliensis</i>	k215	10	14-5324-01	C20
rHev b 3 Latex	<i>Hevea brasiliensis</i>	k217	10	14-5326-01	C2A
rHev b 5 Latex	<i>Hevea brasiliensis</i>	k218	10	14-5327-01	C1Z
rHev b 6.02 Latex	<i>Hevea brasiliensis</i>	k220	10	14-5329-01	C22
rHev b 8 Profilin, Latex	<i>Hevea brasiliensis</i>	k221	10	14-5330-01	C1V
rHev b 11 Latex	<i>Hevea brasiliensis</i>	k224	10	14-5333-01	C29
<b>Occupational – Enzymes</b>					
nAna c 2 Bromelain, Pineapple	<i>Ananas comosus</i>	k202	10	14-5127-01	BT1
nAsp o 21 alpha-amylase	<i>Aspergillus oryzae</i>	k87	10	14-4370-01	595
nGal d 4 Lysozyme, Egg	<i>Gallus spp.</i>	k208	10	14-5128-01	C0T
<b>Miscellaneous</b>					
nGal-alpha-1,3-Gal (alpha-Gal) Thyroglobulin, bovine		o215	10	14-5997-01	DPC
MUXF3 CCD, Bromelain		o214	10	14-5339-01	CJU
<b>Foods</b>					
rAct d 8 PR-10, Kiwi	<i>Actinidia deliciosa</i>	f430	10	14-4984-01	CG7
rAna o 3 Cashew nut	<i>Anacardium occidentale</i>	f443	10	14-5760-01	D0W
rApi g 1.01 PR-10, Celery	<i>Apium graveolens</i>	f417	10	14-4957-01	CBR
rAra h 1 Peanut	<i>Arachis hypogaea</i>	f422	10	14-4963-01	CDF
rAra h 2 Peanut	<i>Arachis hypogaea</i>	f423	10	14-4964-01	CDG
rAra h 3 Peanut	<i>Arachis hypogaea</i>	f424	10	14-4965-01	CDH
rAra h 6 Peanut	<i>Arachis hypogaea</i>	f447	10	14-6041-01	DYU
rAra h 8 PR-10, Peanut	<i>Arachis hypogaea</i>	f352	10	14-5341-01	CEZ
rAra h 9 LTP, Peanut	<i>Arachis hypogaea</i>	f427	10	14-4980-01	CFC
rBer e 1 Brazil nut	<i>Bertholletia excelsa</i>	f354	10	14-5343-01	CDS
nBos d 4 alpha-lactalbumin, Milk	<i>Bos spp.</i>	f76	10	14-4522-01	CTP
nBos d 5 beta-lactoglobulin, Milk	<i>Bos spp.</i>	f77	10	14-4523-01	CTR
nBos d 8 Casein, Milk	<i>Bos spp.</i>	f78	10	14-4524-01	CTS
rCor a 1 PR-10, Hazel nut	<i>Corylus avellana</i>	f428	10	14-4981-01	CFB
rCor a 8 LTP, Hazel nut	<i>Corylus avellana</i>	f425	10	14-4968-01	CDP
nCor a 9, Hazel nut	<i>Corylus avellana</i>	f440	10	14-5758-01	D0M
rCor a 14, Hazel nut	<i>Corylus avellana</i>	f439	10	14-5754-01	CZP
rCyp c 1 Carp	<i>Cyprinus carpio</i>	f355	10	14-5344-01	CF0
rGad c 1 Cod	<i>Gadus morhua</i>	f426	10	14-4971-01	CEY
nGal d 1 Ovomuroid, Egg	<i>Gallus spp.</i>	f233	10	14-4805-01	904
nGal d 2 Ovalbumin, Egg	<i>Gallus spp.</i>	f232	10	14-4804-01	903
nGal d 3 Conalbumin, Egg	<i>Gallus spp.</i>	f323	10	14-5222-01	C18
rGly m 4 PR-10, Soy	<i>Glycine max</i>	f353	10	14-5340-01	CDR
nGly m 5 beta-conglycinin, Soy	<i>Glycine max</i>	f431	10	14-4990-01	CLV
nGly m 6 Glycinin	<i>Glycine max</i>	f432	10	14-4991-01	CLU
rJug r 1 Walnut	<i>Juglans regia</i>	f441	10	14-5762-01	D0T
rJug r 3 LTP, Walnut	<i>Juglans regia</i>	f442	10	14-5954-01	D11
rMal d 1 PR-10, Apple	<i>Malus domestica</i>	f434	10	14-5703-01	CWR
rMal d 3 LTP, Apple	<i>Malus domestica</i>	f435	10	14-5704-01	CWS
rPen a 1 Tropomyosin, Shrimp	<i>Penaeus aztecus</i>	f351	10	14-5335-01	C11
rPru p 1 PR-10, Peach	<i>Prunus persica</i>	f419	10	14-4960-01	CBV

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## ImmunoCAP Allergen Component\* Quick Reference, cont'd

Common* Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Foods, cont'd</b>					
rPru p 3 LTP, Peach	<i>Prunus persica</i>	f420	10	14-4961-01	CBW
rPru p 4 Profilin, Peach	<i>Prunus persica</i>	f421	10	14-4962-01	CBX
rPru p 7 Peach	<i>Prunus persica</i>	f454	10	14-6086-01	E3Z
rSes i 1 Sesame seed	<i>Sesamum indicum</i>	f449	10	14-6109-01	E7M
rTri a 14 LTP, Wheat	<i>Triticum aestivum</i>	f433	10	14-5701-01	CN6
rTri a 19 Omega-5 Gliadin, Wheat	<i>Triticum aestivum</i>	f416	10	14-4954-01	C8H
Gliadin		f98	10	14-5752-01	CXG

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## ImmunoCAP Antigens

These products are only for use with the ImmunoCAP Specific IgG method. Tests for specific IgG antibodies may be useful to investigate immune response to antigen exposure.

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Microorganisms</b>					
	<i>Saccharopolyspora rectivirgula</i> ( <i>Micropolyspora faeni</i> )	Gm22	10	14-5302-01	BT9
	<i>Stachybotrys atra</i>	Gm24	10	14-5304-01	BTB
	<i>Laceyella sacchari</i>	Gm42	10	14-6135-01	EDB
<b>Research Use Only</b>					
	<i>Aspergillus versicolor</i> §	U1084	10	14-5941-10	CZZ
	<i>Cladosporium cladosporioides</i> §	U1085	10	14-5942-10	DER
	<i>Penicillium spp.</i> §	U1086	10	14-5943-10	DES
<b>Animals – Epidermals &amp; proteins</b>					
Budgerigar serum proteins, feathers and droppings		Ge90	10	14-5316-01	BU4
Parrot serum proteins, feathers and droppings		Ge92	10	14-5317-01	BU5
Pigeon serum proteins		Ge93	10	14-5337-01	BU9
Pigeon serum proteins, feathers and droppings		Ge91	10	14-5315-01	BU3



§ Shelf life and delivery times may differ from standard products.

## ImmunoCAP tests for Research Use Only

### Allergens

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Animals – Epidermals &amp; proteins</b>					
<b>Whole Allergens</b>					
Swine, urine proteins		Re212	10	14-5039-10	645
<b>Allergen Components*</b>					
nGal d 5 Alpha-livetin, Chicken serum albumin <sup>§</sup>	<i>Gallus domesticus</i>	U770	10	14-5872-10	DCN
<b>Insects</b>					
<b>Whole Allergens</b>					
Confused flour beetle <sup>§</sup>	<i>Tribolium confusum</i>	U15	10	14-5718-10	CYC
<b>Mites</b>					
<b>Allergen Components*</b>					
rBlo t 5 <sup>§</sup>	<i>Blomia tropicalis</i>	U1324	10	14-6103-10	E75
rLep d 2 <sup>§</sup>	<i>Lepidoglyphus destructor</i>	U1366	10	14-6138-10	EDK
<b>Insects – Venom</b>					
<b>Whole Allergens</b>					
Asian hornet <sup>§</sup>	<i>Vespa velutina</i>	U1223	10	14-6085-10	E4J
<b>Allergen Components*</b>					
sApi m 4 <sup>§</sup>	<i>Apis mellifera</i>	U1273	10	14-6126-10	ECH
<b>Drugs</b>					
<b>Whole Allergens</b>					
Pancreatin <sup>§</sup>		U523	10	14-5720-10	CYA
Penicillin minor determinant <sup>§</sup>		U233	10	14-5730-10	CY1
Polyhexanide <sup>§</sup>		U898	10	14-6097-10	E6Y
Protamine <sup>§</sup>		U1190	10	14-6002-10	DPV
Rocuronium <sup>§</sup>		U254	10	14-5717-10	CYD
<b>Occupational</b>					
<b>Whole Allergens</b>					
Peroxidase <sup>§</sup>		U395	10	14-5726-10	CY5
Glucoamylase <sup>§</sup>		U296	10	14-5713-10	CYH

\* Letters preceding the common name denote the raw material source: n=native, r=recombinant, or s=synthetic.

§ Shelf life and delivery times may differ from standard products.

ImmunoCAP tests for Research Use Only, cont'd

## Allergens, cont'd

Common Name	Latin Name	Code	Size	Art. No.	Barcode
<b>Miscellaneous</b>					
<b>Whole Allergens</b>					
Hemp <sup>§</sup>	<i>Cannabis sativa</i>	U901	10	14-5711-10	CYK
MBP (maltose binding protein)		Ro213	10	14-5334-10	BN3
Streptavidin		Ro212	10	14-5320-10	BK5
<b>Allergen Components*</b>					
rCan s3 <sup>§</sup>	<i>Cannabis sativa</i>	U1368	10	14-6140-10	EED
<b>Foods</b>					
<b>Whole Allergens</b>					
Cinnamon	<i>Cinnamomum spp.</i>	Rf220	10	14-5063-10	669
Cranberry	<i>Vaccinium oxycoccus</i>	Rf341	10	14-5269-10	AKT
Mahi-mahi <sup>§</sup>	<i>Coryphaena hippurus</i>	U510	10	14-5802-10	DAJ
Nutmeg	<i>Myristica fragrans</i>	Rf282	10	14-5087-10	693

## Antigens

For use with ImmunoCAP Specific IgG method only.

<b>Microorganisms</b>					
	<i>Aspergillus versicolor</i> <sup>§</sup>	U1084	10	14-5941-10	CZZ
	<i>Cladosporium cladosporioides</i> <sup>§</sup>	U1085	10	14-5942-10	DER
	<i>Penicillium spp.</i> <sup>§</sup>	U1086	10	14-5943-10	DES

## EDN

Eosinophil Derived Neurotoxin (EDN) is an eosinophil granule protein that is released during eosinophil inflammation. ImmunoCAP EDN Assay Kit is a Research Use Only product for quantitative measurements of Eosinophil Derived Neurotoxin.

<b>EDN</b>					
EDN Assay Kit <sup>§**</sup>		N/A	96	10-9545-05	E54

\* Letters preceding the common name denote the raw material source: n= native, r= recombinant, or s= synthetic.

§ Shelf life and delivery times may differ from standard products.

\*\* One kit includes: ImmunoCAP EDN Conjugate 100, ImmunoCAP EDN Calibrator Strip (2), ImmunoCAP EDN U1302 Anti-EDN (6x16), ImmunoCAP EDN Control (2 x 0.5 ml). One kit includes reagents for 96 determinations. Reagents cannot be purchased separately.

These products are for RESEARCH USE ONLY (RUO) and are not intended by Thermo Fisher Scientific for any diagnostic or therapeutic use. It is the responsibility of the end user to fully establish analytical and performance characteristics and to validate the products for their intended use according to applicable guidelines.

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## EliA Products

EliA is an enzyme immunoassay to measure autoantibodies as an aid in the diagnosis of autoimmune diseases such as rheumatoid arthritis, celiac disease or systemic lupus erythematosus. EliA runs on the fully automated Phadia™ Laboratory Systems (Phadia 100, Phadia 200, Phadia 250, Phadia 2500+ and Phadia 5000+) and makes the measurement of a broad panel of autoantibodies easy, reliable and economic.

Product	Art. No.	Size	Antigen	Cut-Off			Shortname
				Negative	Equivocal	Positive	
<b>Connective tissue diseases</b>							
EliA CTD Screen Well	14-5596-01	4 x 12	human recombinant U1RNP (RNP70, A, C), SS-A/Ro (60 kDa, 52 kDa), SS-Bw/La, Centromere B, Scl-70, Jo-1, fibrillarin, RNA Pol III, Rib-P, PM-Scl, PCNA, Mi-2 proteins, Sm proteins and native purified DNA	< 0.7 Ratio	0.7-1.0 Ratio	> 1.0 Ratio	ctd
EliA Symphony Well†	14-5508-01	4 x 12	human recombinant U1RNP (RNP70, A, C), SS-A/Ro (60 kDa, 52 kDa), SS-B/La, Centromere B, Scl-70 and Jo-1 proteins, native purified Sm proteins	< 0.7 Ratio	0.7-1.0 Ratio	> 1.0 Ratio	sy
EliA Symphony <sup>s</sup> Well	14-5671-01	4 x 16	human recombinant U1RNP (RNP70, A, C), SS-A/Ro (60 kDa, 52 kDa), SS-B/La, Centromere B, Scl-70 and Jo-1 proteins, synthetic SmD <sub>3</sub> peptide	< 0.7 Ratio	0.7-1.0 Ratio	> 1.0 Ratio	sys
EliA dsDNA Well	14-5500-01	4 x 12	double-stranded plasmid DNA	< 10 IU/ml	10-15 IU/ml	> 15 IU/ml	dn
EliA ssDNA Well	14-5629-01	2 x 12	synthetic ssDNA	< 7 U/ml	7-10 U/ml	> 10 U/ml	sdn
EliA U1RNP Well	14-5501-01	4 x 12	human recombinant U1RNP (RNP70, A, C) proteins	< 5 U/ml	5-10 U/ml	> 10 U/ml	rn
EliA RNP70 Well	14-5511-01	4 x 12	human recombinant RNP70 protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	70
EliA SmD <sup>p</sup> Well	14-5624-01	4 x 12	synthetic SmD <sub>3</sub> peptide	< 7 U/ml	7-10 U/ml	> 10 U/ml	smd
EliA SmD <sup>p</sup> -S Well	14-5672-01	4 x 16	synthetic SmD <sub>3</sub> peptide	< 7 U/ml	7-10 U/ml	> 10 U/ml	sms
EliA Ro Well	14-5503-01	4 x 12	human recombinant SS-A/Ro (60 kDa, 52 kDa) proteins	< 7 U/ml	7-10 U/ml	> 10 U/ml	ro
EliA Ro52 Well	14-5598-01	2 x 12	human recombinant SS-A/Ro (52 kDa) protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	ro52
EliA Ro60 Well	14-5525-01	4 x 12	human recombinant SS-A/Ro (60 kDa) protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	ro60
EliA La Well	14-5504-01	4 x 12	human recombinant SS-B/La protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	la
EliA CENP Well	14-5505-01	2 x 12	human recombinant centromere protein B	< 7 U/ml	7-10 U/ml	> 10 U/ml	ce
EliA Scl-70 <sup>s</sup> Well	14-5637-01	2 x 12	human recombinant Scl-70 protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	scs
EliA RNA Pol III Well*	14-5599-01	2 x 12	human recombinant RNA polymerase III protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	pol3
EliA Jo-1 Well	14-5507-01	2 x 12	human recombinant Jo-1 protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	jo
EliA Fibrillarin Well	14-5605-01	2 x 12	human recombinant fibrillarin protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	fib
EliA Rib-P Well	14-5521-01	2 x 12	human recombinant Rib-P proteins (P0, P1, P2)	< 7 U/ml	7-10 U/ml	> 10 U/ml	rp
EliA PM-Scl Well	14-5602-01	2 x 12	human recombinant PM-Scl protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	pmsc
EliA PCNA Well	14-5603-01	2 x 12	human recombinant PCNA protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	pcna
EliA Mi-2 Well	14-5604-01	2 x 12	human recombinant Mi-2 protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	mi
EliA DFS70 Well*	14-5673-01	2 x 16	human recombinant DFS70 protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	dfs

Product availability may vary by country

\* Not available on Phadia 100

† Not available on Phadia 200

Product	Art. No.	Size	Antigen	Cut-Off			Shortname
				Negative	Equivocal	Positive	
<b>Rheumatoid arthritis</b>							
EliA CCP Well	14-5515-01	4 x 12	citruillinated synthetic peptides, second generation antigen	< 7 U/ml	7-10 U/ml	> 10 U/ml	cp
EliA CCP IgA Well	14-5615-01	2 x 12	citruillinated synthetic peptides, second generation antigen	< 7 U/ml	7-10 U/ml	> 10 U/ml	Acp
EliA RF IgM Well	14-5600-01	4 x 12	aggregated rabbit IgG	< 3.5 IU/ml	3.5-5.0 IU/ml	> 5.0 IU/ml	Mrf
EliA RF IgA Well	14-5601-01	4 x 12	aggregated rabbit IgG	< 14 IU/ml	14-20 IU/ml	> 20 IU/ml	Arf
EliA RF IgG Well	14-5617-01	4 x 12	rabbit IgG	< 28 IU/ml	28-40 IU/ml	> 40 IU/ml	Grf
<b>Vasculitis and Goodpasture syndrome</b>							
EliA PR3 <sup>S</sup> Well	14-5536-01	4 x 12	human purified proteinase 3	< 2.0 IU/ml	2.0-3.0 IU/ml	> 3.0 IU/ml	prs
EliA MPO <sup>S</sup> Well	14-5537-01	4 x 12	human purified myeloperoxidase	< 3.5 IU/ml	3.5-5.0 IU/ml	> 5.0 IU/ml	mpps
EliA GBM Well	14-5514-01	2 x 12	human recombinant α3 chain of collagen IV	< 7 U/ml	7-10 U/ml	> 10 U/ml	gb
<b>Antiphospholipid syndrome</b>							
EliA Cardiolipin IgG Well	14-5529-01	4 x 12	bovine cardiolipin and bovine β2-glycoprotein I as co-factor	< 10 GPL-U/ml	10-40 GPL-U/ml <sup>§</sup>	>40 GPL-U/ml	Gcl
EliA Cardiolipin IgM Well	14-5530-01	4 x 12	bovine cardiolipin and bovine β2-glycoprotein I as co-factor	< 10 MPL-U/ml	10-40 MPL-U/ml <sup>§</sup>	>40 MPL-U/ml	Mcl
EliA Cardiolipin IgA Well	14-5528-01	2 x 12	bovine cardiolipin and bovine β2-glycoprotein I as co-factor	< 14 APL-U/ml <sup>§</sup>	14-20 APL-U/ml <sup>§</sup>	>20 APL-U/ml	Acl
EliA β2-Glycoprotein I IgG Well	14-5532-01	4 x 12	human purified β2-glycoprotein I antigen	< 7 U/ml	7-10 U/ml	> 10 U/ml	Gb2
EliA β2-Glycoprotein I IgM Well	14-5533-01	4 x 12	human purified β2-glycoprotein I antigen	< 7 U/ml	7-10 U/ml	> 10 U/ml	Mb2
EliA β2-Glycoprotein I IgA Well	14-5531-01	2 x 12	human purified β2-glycoprotein I antigen	< 7 U/ml	7-10 U/ml	> 10 U/ml	Ab2
<b>Celiac disease</b>							
EliA Celikey IgA Well	14-5517-01	4 x 12	human recombinant tissue transglutaminase	< 7 U/ml	7-10 U/ml	> 10 U/ml	Acy
EliA Celikey IgG Well	14-5518-01	2 x 12	human recombinant tissue transglutaminase	< 7 U/ml	7-10 U/ml	> 10 U/ml	Gcy
EliA Gliadin <sup>DP</sup> IgA Well	14-5538-01	4 x 12	synthetic deamidated gliadin peptides	< 7 U/ml	7-10 U/ml	> 10 U/ml	Agp
EliA Gliadin <sup>DP</sup> IgG Well	14-5539-01	4 x 12	synthetic deamidated gliadin peptides	< 7 U/ml	7-10 U/ml	> 10 U/ml	Ggp
<b>Inflammatory bowel diseases</b>							
EliA Calprotectin Well <sup>†</sup>	14-5610-01	4 x 12	monoclonal antibodies to calprotectin	≤ 50 mg/kg	-	> 50 mg/kg	cn
EliA Calprotectin 2 Well <sup>†</sup>	14-6748-01	4 x 16	monoclonal antibodies to calprotectin	≤ 50 mg/kg	-	> 50 mg/kg	cn2
EliA ASCA IgG Well	14-5635-01	4 x 12	mannan of <i>S. cerevisiae</i>	< 7 U/ml	7-10 U/ml	> 10 U/ml	Gsc
EliA ASCA IgA Well	14-5633-01	4 x 12	mannan of <i>S. cerevisiae</i>	< 7 U/ml	7-10 U/ml	> 10 U/ml	Asc

Product availability may vary by country

\* Not available on Phadia 100

† Not available on Phadia 200

§ Cut-off weak positive



Product	Art. No.	Size	Antigen	Cut-Off			Shortname
				Negative	Equivocal	Positive	
<b>Pernicious anemia</b>							
EliA Intrinsic Factor Well*	14-5668-01	2 x 12	human gastric intrinsic factor	< 7 U/ml	7-10 U/ml	> 10 U/ml	inf
EliA Parietal Cell Well	14-5669-01	2 x 12	H <sup>+</sup> /K <sup>+</sup> ATPase of gastric cells	< 7 U/ml	7-10 U/ml	> 10 U/ml	par
<b>Thyroid diseases</b>							
EliA anti-TG Well*	14-5642-01	4 x 16	human thyroglobulin antigen	< 40 IU/ml	40-60 IU/ml	> 60 IU/ml	thg
EliA anti-TPO Well*	14-5641-01	4 x 16	human recombinant thyroid peroxidase	< 25 IU/ml	25-35 IU/ml	> 35 IU/ml	tpo
EliA anti-TSH-R Well†	14-5639-01	4 x 16	human recombinant TSH receptor antigen	< 2.9 IU/L	2.9-3.3 IU/L	> 3.3 IU/L	tsr
<b>Liver diseases</b>							
EliA M2 Well	14-5649-01	4 x 12	native pyruvate dehydrogenase complex from mitochondria and human recombinant M2 protein	< 4 IU/ml	4-6 IU/ml	> 6 IU/ml	m2G
EliA LKM-1 Well*	14-6648-01	2 x 16	human recombinant LKM-1 protein	< 7 U/ml	7-10 U/ml	> 10 U/ml	lkm
<b>Immunodeficiency</b>							
EliA Anti-IgA Well‡	14-5535-01	2 x 12	purified human IgA	< 7 U/ml	7-10 U/ml	> 10 U/ml	aiga



Product availability may vary by country

\* Not available on Phadia 100

† Not available on Phadia 200

‡ Not available on Phadia 2500/5000

## Test Specific Reagents for EliA tests (Phadia 2500+ / Phadia 5000+)

Product	Size	Art. No.
EliA ANA Positive Control 2500/5000	6 x 2	83-1073-01
EliA ANA 3 Positive Control 2500/5000	6 x 2	83-1183-01
EliA CCP Positive Control 2500/5000	6 x 2	83-1076-01
EliA RF Positive Control 2500/5000	6 x 2	83-1087-01
EliA APS Positive Control 2500/5000	6 x 2	83-1078-01
EliA ANCA/GBM Positive Control 2500/5000	6 x 2	83-1075-01
EliA Celiac Positive Control 2500/5000	6 x 2	83-1077-01
EliA Calprotectin Positive Control 2500/5000	6 x 2	83-1084-01
EliA Calprotectin Negative Control 2500/5000	6 x 2	83-1086-01
EliA ASCA Positive Control 2500/5000	6 x 2	83-1108-01
EliA Thyroid Positive Control 2500/5000	6 x 2	83-1114-01
EliA M2 Positive Control 2500/5000	6 x 2	83-1105-01
EliA ssDNA Positive Control 2500/5000	6 x 2	83-1143-01
EliA IgG/IgM/IgA Negative Control 2500/5000	6 x 2	83-1074-01
EliA Gastric Positive Control 2500/5000	6 x 2	83-1146-01
EliA AIH Positive Control 2500/5000	6 x 2	83-1174-01
EliA DFS70 Positive Control 2500/5000	6 x 2	83-1171-01

## Method Specific Reagents for EliA tests (Phadia 2500+ / Phadia 5000+)

Product	Size	Art. No.
EliA IgG Calibrator Well	4 x 12	14-5509-01
EliA IgG Calibrator Strips	5 x 1 curve	83-1015-01
EliA IgG Curve Control Strips	5 x 6 runs	83-1016-01
EliA IgG Conjugate 50	6 x 50	83-1017-01
EliA IgG Conjugate 200	6 x 200	83-1018-01
EliA IgA Calibrator Well	4 x 12	14-5516-01
EliA IgA Calibrator Strips	5 x 1 curve	83-1019-01
EliA IgA Curve Control Strips	5 x 6 runs	83-1020-01
EliA IgA Conjugate 50	6 x 50	83-1021-01
EliA IgA Conjugate 200	6 x 200	83-1022-01
EliA IgM Calibrator Well	4 x 12	14-5527-01
EliA IgM Calibrator Strips	5 x 1 curve	83-1052-01
EliA IgM Curve Control Strips	5 x 6 runs	83-1053-01
EliA IgM Conjugate 50	6 x 50	83-1051-01
EliA IgM Conjugate 200	6 x 200	83-1072-01
EliA Calprotectin Calibrator Well	4 x 12	14-5618-01
EliA Calprotectin Calibrator Strips	5 x 1 curve	83-1062-01
EliA Calprotectin Curve Control Strips	5 x 6 runs	83-1063-01
EliA Calprotectin Conjugate 50	6 x 50	83-1064-01
EliA Calprotectin Conjugate 200	6 x 200	83-1065-01
EliA Stool Extraction Kit	50 tubes	14-5638-01
EliA Calprotectin Extraction Buffer	6 x 117 ml	83-1068-01
EliA Calprotectin 2 Calibrator Well	4 x 16	14-5667-01
EliA Calprotectin 2 Calibrator Strips	5 x 1 curve	83-1123-01
EliA Calprotectin 2 Curve Control Strips	5 x 6 runs	83-1129-01
EliA Calprotectin 2 Conjugate 50	6 x 50	83-1127-01
EliA Calprotectin 2 Conjugate 200	6 x 200	83-1128-01
EliA Stool Extraction Kit 2	50 tubes	14-5651-01
EliA Stool Extraction Kit <i>plus</i>	50 tubes	14-6665-01
EliA Calprotectin 2 Extraction Buffer	6 x 117 ml	83-1147-01
EliA Stool Extraction Buffer <i>plus</i>	6 x 113 ml	83-1187-01
Faecal sample preparation kit	50 tubes	14-5619-01
EliA Sample Diluent	6 x 400 ml	83-1071-01
EliA anti-TSH-R Sample Diluent	6 x 48 ml	83-1122-01
EliA anti-TSH-R Calibrator Strips	5 x 1 curve	83-1111-01
EliA anti-TSH-R Curve Control Strips	5 x 6 runs	83-1112-01
EliA anti-TSH-R Conjugate 50	6 x 50	83-1109-01
EliA anti-TSH-R Conjugate 200	6 x 200	83-1110-01

## Test Specific Reagents for EliA tests (Phadia 250)

Product	Size	Art. No.
EliA ANA Positive Control 250	6 x 2	83-1033-01
EliA ANA 3 Positive Control 250	6 x 2	83-1182-01
EliA CCP Positive Control 250	6 x 2	83-1035-01
EliA RF Positive Control 250	6 x 2	83-1070-01
EliA APS Positive Control 250	6 x 2	83-1055-01
EliA ANCA/GBM Positive Control 250	6 x 2	83-1034-01
EliA Celiac Positive Control 250	6 x 2	83-1036-01
EliA Calprotectin Positive Control 250	6 x 2	83-1083-01
EliA Calprotectin Negative Control 250	6 x 2	83-1085-01
EliA ASCA Positive Control 250	6 x 2	83-1107-01
EliA Thyroid Positive Control 250	6 x 2	83-1113-01
EliA M2 Positive Control 250	6 x 2	83-1104-01
EliA Anti-IgA Positive Control 250	6 x 2	83-1080-01
EliA ssDNA Positive Control 250	6 x 2	83-1142-01
EliA IgG/IgM/IgA Negative Control 250	6 x 2	83-1037-01
EliA Gastric Positive Control 250	6 x 2	83-1145-01
EliA AIH Positive Control 250	6 x 2	83-1173-01
EliA DFS70 Positive Control 250	6 x 2	83-1170-01

## Method Specific Reagents for EliA tests (Phadia 250)

Product	Size	Art. No.
EliA IgG Calibrator Well	4 x 12	14-5509-01
EliA IgG Calibrator Strips	5 x 1 curve	83-1015-01
EliA IgG Curve Control Strips	5 x 6 runs	83-1016-01
EliA IgG Conjugate 50	6 x 50	83-1017-01
EliA IgG Conjugate 200	6 x 200	83-1018-01
EliA IgA Calibrator Well	4 x 12	14-5516-01
EliA IgA Calibrator Strips	5 x 1 curve	83-1019-01
EliA IgA Curve Control Strips	5 x 6 runs	83-1020-01
EliA IgA Conjugate 50	6 x 50	83-1021-01
EliA IgA Conjugate 200	6 x 200	83-1022-01
EliA IgM Calibrator Well	4 x 12	14-5527-01
EliA IgM Calibrator Strips	5 x 1 curve	83-1052-01
EliA IgM Curve Control Strips	5 x 6 runs	83-1053-01
EliA IgM Conjugate 50	6 x 50	83-1051-01
EliA IgM Conjugate 200	6 x 200	83-1072-01
EliA Calprotectin Calibrator Well	4 x 12	14-5618-01
EliA Calprotectin Calibrator Strips	5 x 1 curve	83-1062-01
EliA Calprotectin Curve Control Strips	5 x 6 runs	83-1063-01
EliA Calprotectin Conjugate 50	6 x 50	83-1064-01
EliA Calprotectin Conjugate 200	6 x 200	83-1065-01
EliA Stool Extraction Kit	50 tubes	14-5638-01
EliA Calprotectin Extraction Buffer	6 x 117 ml	83-1068-01
EliA Calprotectin 2 Calibrator Well	4 x 16	14-5667-01
EliA Calprotectin 2 Calibrator Strips	5 x 1 curve	83-1123-01
EliA Calprotectin 2 Curve Control Strips	5 x 6 runs	83-1129-01
EliA Calprotectin 2 Conjugate 50	6 x 50	83-1127-01
EliA Calprotectin 2 Conjugate 200	6 x 200	83-1128-01
EliA Stool Extraction Kit 2	50 tubes	14-5651-01
EliA Stool Extraction Kit <i>plus</i>	50 tubes	14-6665-01
EliA Calprotectin 2 Extraction Buffer	6 x 117 ml	83-1147-01
EliA Stool Extraction Buffer <i>plus</i>	6 x 113 ml	83-1187-01
Faecal sample preparation kit	50 tubes	14-5619-01
EliA Sample Diluent	6 x 48 ml	83-1023-01
EliA anti-TSH-R Sample Diluent	6 x 48 ml	83-1121-01
EliA anti-TSH-R Calibrator Strips	5 x 1 curve	83-1111-01
EliA anti-TSH-R Curve Control Strips	5 x 6 runs	83-1112-01
EliA anti-TSH-R Conjugate 50	6 x 50	83-1109-01
EliA anti-TSH-R Conjugate 200	6 x 200	83-1110-01

Product availability may vary by country

## Test Specific Reagents for EliA tests (Phadia 200)

Product	Size	Art. No.
EliA ANA Positive Control 200	6 x 2	83-1148-01
EliA CCP Positive Control 200	6 x 2	83-1155-01
EliA RF Positive Control 200	6 x 2	83-1159-01
EliA APS Positive Control 200	6 x 2	83-1151-01
EliA ANCA/GBM Positive Control 200	6 x 2	83-1149-01
EliA Celiac Positive Control 200	6 x 2	83-1156-01
EliA Calprotectin Positive Control 200	6 x 2	83-1154-01
EliA Calprotectin Negative Control 200	6 x 2	83-1153-01
EliA ASCA Positive Control 200	6 x 2	83-1152-01
EliA Thyroid Positive Control 200	6 x 2	83-1160-01
EliA M2 Positive Control 200	6 x 2	83-1158-01
EliA Anti-IgA Positive Control 200	6 x 2	83-1150-01
EliA IgG/IgM/IgA Negative Control 200	6 x 2	83-1157-01
EliA Gastric Positive Control 200	6 x 2	83-1168-01
EliA AIH Positive Control 200	6 x 2	83-1172-01
EliA DFS70 Positive Control 200	6 x 2	83-1169-01

## Method Specific Reagents for EliA tests (Phadia 200)

Product	Size	Art. No.
EliA IgG Calibrator Well	4 x 12	14-5509-01
EliA IgG Calibrator Strips	5 x 1 curve	83-1015-01
EliA IgG Curve Control Strips	5 x 6 runs	83-1016-01
EliA IgG Conjugate 50	6 x 50	83-1017-01
EliA IgG Conjugate 200	6 x 200	83-1018-01
EliA IgA Calibrator Well	4 x 12	14-5516-01
EliA IgA Calibrator Strips	5 x 1 curve	83-1019-01
EliA IgA Curve Control Strips	5 x 6 runs	83-1020-01
EliA IgA Conjugate 50	6 x 50	83-1021-01
EliA IgA Conjugate 200	6 x 200	83-1022-01
EliA IgM Calibrator Well	4 x 12	14-5527-01
EliA IgM Calibrator Strips	5 x 1 curve	83-1052-01
EliA IgM Curve Control Strips	5 x 6 runs	83-1053-01
EliA IgM Conjugate 50	6 x 50	83-1051-01
EliA IgM Conjugate 200	6 x 200	83-1072-01
EliA Calprotectin 2 Calibrator Well	4 x 16	14-5667-01
EliA Calprotectin 2 Calibrator Strips	5 x 1 curve	83-1123-01
EliA Calprotectin 2 Curve Control Strips	5 x 6 runs	83-1129-01
EliA Calprotectin 2 Conjugate 50	6 x 50	83-1127-01
EliA Calprotectin 2 Conjugate 200	6 x 200	83-1128-01
EliA Stool Extraction Kit 2	50 tubes	14-5651-01
EliA Stool Extraction Kit <i>plus</i>	50 tubes	14-6665-01
EliA Calprotectin 2 Extraction Buffer	6 x 117 ml	83-1147-01
EliA Stool Extraction Buffer <i>plus</i>	6 x 113 ml	83-1187-01
Faecal sample preparation kit	50 tubes	14-5619-01
EliA Sample Diluent	6 x 20 ml	83-1144-01
EliA Dummy Well	4 x 12	14-5510-01

## Test Specific Reagents for EliA tests (Phadia 100)

Product	Size	Art. No.
EliA ANA Positive Control 100	6 x 2	83-1038-01
EliA CCP Positive Control 100	6 x 2	83-1040-01
EliA RF Positive Control 100	6 x 2	83-1069-01
EliA APS Positive Control 100	6 x 2	83-1054-01
EliA ANCA/GBM Positive Control 100	6 x 2	83-1039-01
EliA Celiac Positive Control 100	6 x 2	83-1041-01
EliA Calprotectin Positive Control 100	6 x 2	83-1066-01
EliA Calprotectin Negative Control 100	6 x 2	83-1067-01
EliA ASCA Positive Control 100	6 x 2	83-1106-01
EliA M2 Positive Control 100	6 x 2	83-1103-01
EliA Anti-IgA Positive Control 100	6 x 2	83-1079-01
EliA IgG/IgM/IgA Negative Control 100	6 x 2	83-1042-01

## Method Specific Reagents for EliA tests (Phadia 100)

Product	Size	Art. No.
EliA IgG Calibrator Well	4 x 12	14-5509-01
EliA IgG Calibrators	1 curve	83-1000-01
EliA IgG Curve Control	6 runs	83-1001-01
EliA IgG Conjugate	2 x 48	83-1005-01
EliA IgG Conjugate	6 x 48	83-1002-01
EliA IgA Calibrator Well	4 x 12	14-5516-01
EliA IgA Calibrators	1 curve	83-1013-01
EliA IgA Curve Control	6 runs	83-1010-01
EliA IgA Conjugate	2 x 48	83-1012-01
EliA IgA Conjugate	6 x 48	83-1014-01
EliA IgM Calibrator Well	4 x 12	14-5527-01
EliA IgM Calibrators	1 curve	83-1049-01
EliA IgM Curve Control	6 runs	83-1050-01
EliA IgM Conjugate	2 x 48	83-1031-01
EliA IgM Conjugate	6 x 48	83-1048-01
EliA Calprotectin Calibrator Well	4 x 12	14-5618-01
EliA Calprotectin Calibrators	1 curve	83-1058-01
EliA Calprotectin Curve Control	6 runs	83-1059-01
EliA Calprotectin Conjugate	2 x 48	83-1060-01
EliA Calprotectin Conjugate	6 x 48	83-1061-01
EliA Stool Extraction Kit	50 tubes	14-5638-01
EliA Stool Extraction Kit <i>plus</i>	50 tubes	14-6665-01
EliA Calprotectin Extraction Buffer	6 x 117 ml	83-1068-01
EliA Stool Extraction Buffer <i>plus</i>	6 x 113 ml	83-1187-01
Faecal sample preparation kit	50 tubes	14-5619-01
EliA Sample Diluent	6 x 9 ml	83-1003-01
EliA Dummy Well	4 x 12	14-5510-01

## Performance Control for EliA Tests

Name	REF	EliA IgG Curve Control	EliA IgA Curve Control	EliA IgM Curve Control	EliA Calprotectin Curve Control	EliA Calprotectin 2 Curve Control	EliA anti-TSH-R Curve Control	EliA IgG/IgM/IgA Negative Control	EliA Calprotectin Negative Control	EliA ANA Positive Control	EliA ANA 3 Positive Control
EliA CTD Screen Well	14-5596-01	✓						✓		✓	
EliA Symphony Well	14-5508-01	✓						✓		✓	
EliA SymphonyS Well	14-5671-01	✓						✓		✓	
EliA dsDNA Well	14-5500-01	✓						✓		✓	
EliA ssDNA Well	14-5629-01	✓						✓			
EliA U1RNP Well	14-5501-01	✓						✓		✓	
EliA RNP70 Well	14-5511-01	✓						✓		✓	
EliA SmD <sup>P</sup> Well	14-5624-01	✓						✓		✓	
EliA SmD <sup>P</sup> -S Well	14-5672-01	✓						✓		✓	
EliA Ro Well	14-5503-01	✓						✓		✓	
EliA Ro52 Well	14-5598-01	✓						✓*			✓*
EliA Ro60 Well	14-5525-01	✓						✓		✓	
EliA La Well	14-5504-01	✓						✓		✓	
EliA CENP Well	14-5505-01	✓						✓		✓	
EliA Scl-70 <sup>S</sup> Well	14-5637-01	✓						✓		✓	
EliA RNA Pol III Well	14-5599-01	✓						✓*			✓*
EliA Jo-1 Well	14-5507-01	✓						✓		✓	
EliA Fibrillarin Well	14-5605-01	✓									
EliA Rib-P Well	14-5521-01	✓						✓*			✓*
EliA PM-Scl Well	14-5602-01	✓									
EliA PCNA Well	14-5603-01	✓									
EliA Mi-2 Well	14-5604-01	✓									
EliA DFS70 Well	14-5673-01	✓						✓			
EliA CCP Well	14-5515-01	✓						✓			
EliA CCP IgA Well	14-5615-01		✓								
EliA RF IgM Well	14-5600-01			✓				✓			
EliA RF IgA Well	14-5601-01		✓					✓			
EliA RF IgG Well	14-5617-01	✓									
EliA PR3 <sup>S</sup> Well	14-5536-01	✓						✓			
EliA MPO <sup>S</sup> Well	14-5537-01	✓						✓			
EliA GBM Well	14-5514-01	✓						✓			
EliA Cardiolipin IgG Well	14-5529-01	✓						✓			
EliA Cardiolipin IgM Well	14-5530-01			✓				✓			
EliA Cardiolipin IgA Well	14-5528-01		✓					✓			
EliA β2-Glycoprotein I IgG Well	14-5532-01	✓						✓			
EliA β2-Glycoprotein I IgM Well	14-5533-01			✓				✓			
EliA β2-Glycoprotein I IgA Well	14-5531-01		✓					✓			
EliA Celikey IgA Well	14-5517-01		✓					✓			
EliA Celikey IgG Well	14-5518-01	✓						✓			
EliA Gliadin <sup>DP</sup> IgA Well	14-5538-01		✓					✓			
EliA Gliadin <sup>DP</sup> IgG Well	14-5539-01	✓						✓			
EliA Calprotectin Well	14-5610-01				✓				✓		
EliA Calprotectin 2 Well	14-6748-01					✓			✓		
EliA ASCA IgG Well	14-5635-01	✓						✓			
EliA ASCA IgA Well	14-5633-01		✓					✓			
EliA Intrinsic Factor Well	14-5668-01	✓						✓			
EliA Parietal Cell Well	14-5669-01	✓						✓			
EliA anti-TG Well	14-5642-01	✓						✓			
EliA anti-TPO Well	14-5641-01	✓						✓			
EliA anti-TSH-R	14-5639-01						✓	✓			
EliA M2 Well	14-5649-01	✓						✓			
EliA Anti-IgA Well	14-5535-01	✓						✓			
EliA LKM-1 Well	14-6648-01	✓						✓			

Product availability may vary by country. \* USA only.







### High productivity, automation and cost effectiveness

- Allergy and Autoimmunity testing in one run
- Throughput:
 

Phadia 5000:	960 ImmunoCAP results/hour
Phadia 5000E:	720 ImmunoCAP results/hour
	150 EliA results/hour
Phadia 5000E+E:	480 ImmunoCAP results/hour
	300 EliA results/hour
- Onboard dilutions (EliA)
- Continuous random access
- All reagents available onboard
- 28-day storage of calibrator curves
- Automatic start-up and shutdown function
- Remote diagnostics via Phadia LabCommunity
- Phadia Prime, Art. No. 12-4101-00

### True accuracy, high precision and outstanding quality

- Excellent consistency over time and between countries, systems, laboratories and users
- An allergen panel detecting sensitization to more than 650 allergens including more than 100 allergen components
- An autoimmunity panel for evaluation of over 20 diseases
- One of the largest quality assessment programs in the world

## Phadia 5000+ – Instrument configurations

Product	Size	Art. No.
Phadia 5000	1	12-4000-00
Phadia 5000E	1	12-4000-01
Phadia 5000E+E	1	12-4000-02

## Phadia 5000+ Accessories

Product	Size	Art. No.
Conjugate Storage Tray, Phadia 2500/5000	1	12-4005-71
Carrier Waste Container, Phadia 2500/5000	1	12-4005-72
Solid Waste Container, Phadia 2500/5000	1	12-4005-73
Carrier Waste Container Tray, Phadia 2500/5000	1	12-4005-74
Solid Waste Container Tray, Phadia 2500/5000	1	12-4005-75
Sample Rack, Phadia 2500/5000	10	12-4005-76
QC Rack, Fixed Position, Phadia 2500/5000	2	12-4005-77
Carrier Rack, Phadia 2500/5000	5	12-4005-78
Strip Rack, Phadia 2500/5000	4	12-4005-79
Pipette Tip Rack, Phadia 2500/5000	4	12-4005-80
Loading Tray, Phadia 2500/5000	1	12-4005-81
QC Rack, Phadia 2500/5000	4	12-4005-82
Cleaning Solution Tank, Phadia 2500/5000	1	12-4005-83

## Phadia 5000+ – System reagents and consumables

Product	ImmunoCAP Size	EliA Size	Art. No.
Development Solution	6 x 2200	6 x > 1165	10-9314-01
Stop Solution	~ 4600	> 13100	34-2337-11
Washing Solution Concentrate	2800 ml	2800 ml	34-2337-21
Washing Solution Additive	4 x 850 ml	4 x 850 ml	10-9518-01
Pipette Tips (5000), Phadia 1000	10 x 500	10 x 500	12-3805-03
Pipette Tips in Racks (3840), Phadia 1000	24 x 160	24 x 160	12-3805-04
Dilution well	50 x 18	50 x 18	12-4005-69
Maintenance Bottle, Diluent, Phadia 2500/5000	1	1	12-4005-70
Phadia Maintenance Solution Kit Large	1 procedure	1 procedure	10-9547-01



### High productivity, automation and cost effectiveness

- Allergy and Autoimmunity testing in one run
- Throughput:
  - Phadia 2500: 480 ImmunoCAP results/hour
  - Phadia 2500E: 240 ImmunoCAP results/hour
  - 150 EliA results/hour
  - Phadia 2500EE: 300 EliA results/hour
- Onboard dilutions (EliA)
- Continuous random access
- All reagents available onboard
- 28-day storage of calibrator curves
- Automatic start-up and shutdown function
- Remote diagnostics via Phadia LabCommunity
- Phadia Prime, Art. No. 12-4101-00
- Phadia Xplain ICAP, Art. No. 12-4101-11

### True accuracy, high precision and outstanding quality

- Excellent consistency over time and between countries, systems, laboratories and users
- An allergen panel detecting sensitization to more than 650 allergens including more than 100 allergen components
- An autoimmunity panel for evaluation of over 20 diseases
- One of the largest quality assessment programs in the world

## Phadia 2500+ – Instrument configurations

Product	Size	Art. No.
Phadia 2500	1	12-4100-00
Phadia 2500E	1	12-4100-01
Phadia 2500EE	1	12-4100-02

## Phadia 2500+ Accessories

Product	Size	Art. No.
Conjugate Storage Tray, Phadia 2500/5000	1	12-4005-71
Carrier Waste Container, Phadia 2500/5000	1	12-4005-72
Solid Waste Container, Phadia 2500/5000	1	12-4005-73
Carrier Waste Container Tray, Phadia 2500/5000	1	12-4005-74
Solid Waste Container Tray, Phadia 2500/5000	1	12-4005-75
Sample Rack, Phadia 2500/5000	10	12-4005-76
QC Rack, Fixed Position, Phadia 2500/5000	2	12-4005-77
Carrier Rack, Phadia 2500/5000	5	12-4005-78
Strip Rack, Phadia 2500/5000	4	12-4005-79
Pipette Tip Rack, Phadia 2500/5000	4	12-4005-80
Loading Tray, Phadia 2500/5000	1	12-4005-81
QC Rack, Phadia 2500/5000	4	12-4005-82
Cleaning Solution Tank, Phadia 2500/5000	1	12-4005-83

## Phadia 2500+ – System reagents and consumables

Product	ImmunoCAP Size	EliA Size	Art. No.
Development Solution	6 x 2200	6 x > 1165	10-9314-01
Stop Solution	~ 4600	> 13100	34-2337-11
Washing Solution Concentrate	2800 ml	2800 ml	34-2337-21
Washing Solution Additive	4 x 850 ml	4 x 850 ml	10-9518-01
Pipette Tips (5000), Phadia 1000	10 x 500	10 x 500	12-3805-03
Pipette Tips in Racks (3840), Phadia 1000	24 x 160	24 x 160	12-3805-04
Dilution well	50 x 18	50 x 18	12-4005-69
Maintenance Bottle, Diluent, Phadia 2500/5000	1	1	12-4005-70
Phadia Maintenance Solution Kit Large	2 procedures	2 procedures	10-9547-01

# Phadia™ 1000



## High productivity, automation and cost effectiveness

- Throughput: 240 results/hour
- Continuous random access
- All reagents available onboard
- 28-day storage of calibrations curves
- Automatic start-up and shutdown function
- Connectable to Laboratory Automation Systems
- Remote diagnostics via Phadia LabCommunity
- Phadia Prime, Art. No. 12-4101-00
- Phadia Xplain ICAP, Art. No. 12-4101-11

## True accuracy, high precision and outstanding quality

- Excellent consistency over time and between countries, systems, laboratories and users
- An allergen panel detecting sensitization to more than 650 allergens including more than 100 allergen components
- One of the largest quality assessment programs in the world

## Phadia 1000 Instrument

Product	Size	Art. No.
Phadia 1000	1	12-3800-01

## Phadia 1000 Accessories

Product	Size	Art. No.
Sample Rack, Phadia 1000	10	12-4805-02
Sample Rack Red, Phadia 1000	5	12-4807-37
Pipette Tips (5000), Phadia 1000	10 x 500	12-3805-03
Pipette Tips in Racks (3840), Phadia 1000	24 x 160	12-3805-04
Sample Rack Labels (1-100), Phadia 1000	100	12-4805-05
Sample Rack Holder, Phadia 1000	1	12-3807-41
Sample Rack, Narrow Tubes, Phadia 1000	5	12-4807-87
Covering, Solid Waste Container, Phadia 1000	25	12-3807-25
Rinse/Wash Bottle, Phadia 1000	1 x 5 l	12-4806-82
Waste Bottle, Phadia 1000	1 x 10 l	12-4806-83

## Phadia 1000 – System reagents and consumables

Product	Size	Art. No.
Development Solution	6 x ~1200	10-9439-01
Development Solution	6 x ~2200	10-9314-01
Stop Solution	~1200	34-2271-51
Washing Solution	2 x 5 l	10-9202-01
Phadia Maintenance Solution Kit Small	2 procedures	10-9546-01
Phadia Maintenance Solution Kit Large	4 procedures	10-9547-01



### High productivity, automation and cost effectiveness

- Throughput: 60 tests/hour
- ImmunoCAP and EliA tests in one run
- Onboard dilutions
- Continuous random access
- All reagents available onboard
- 28-day storage of calibrations curves
- Connectable to Laboratory Automation Systems
- Remote diagnostics via Phadia LabCommunity
- Phadia Prime, Art. No. 12-4101-00
- Phadia Xplain ICAP, Art. No. 12-4101-11

### True accuracy, high precision and outstanding quality

- Excellent consistency over time and between countries, systems, laboratories and users
- An allergen panel detecting sensitization to more than 650 allergens including more than 100 allergen components
- An autoimmunity panel for evaluation of over 20 diseases
- One of the largest quality assessment programs in the world

## Phadia 250 Instrument

Product	Size	Art. No.
Phadia 250	1	12-3900-01

## Phadia 250 Accessories

Product	Size	Art. No.
Carrier Storage Tray, Phadia 250	1	12-4906-75
Conjugate Storage Insert, Phadia 250	1	12-4906-76
Development Storage Insert, Phadia 250	1	12-4906-77
Diluent Storage Insert, Phadia 250	1	12-4906-78
Carrier Loading Tray, Phadia 250	1	12-4906-79
Sample Rack, Phadia 250	5	12-4906-80
Sample Rack Holder, Phadia 250	1	12-3907-09
Elution Wells, Phadia 250	1 set	12-4906-81
Strip Storage Insert, Phadia 250	1	12-4906-82
Rack/Tray Bar Code Labels, Phadia 250	100	12-4906-83
Dilution Plate, Phadia 250	100	12-3907-08
Sample Rack Adapter, Phadia 250	5	12-4906-95
Sample Rack Adapter, Narrow Tubes, Phadia 250	10	12-4907-06
Wash Bottle, Phadia 250	1 x 10	12-4906-41
Rinse Bottle, Phadia 250	1 x 10	12-4906-44
Waste Bottle, Phadia 250	1 x 20	12-4906-45

## Phadia 250 – System reagents and consumables

Product	ImmunoCAP Size	EliA Size	Art. No.
Development Solution	6 x ~315	6 x >170	10-9440-01
Development Solution	6 x ~200	6 x >110	10-9441-01
Stop Solution	6 x ~185	6 x >560	10-9442-01
Stop Solution		6 x >292	10-9479-01
Washing Solution	2 x 5 l	2 x 5 l	10-9202-01
Phadia Maintenance Solution Kit Small	3 procedures*	3 procedures*	10-9546-01
Phadia Maintenance Solution Kit Large	8 procedures	8 procedures	10-9547-01

\* 2 procedures when piped in

# Phadia™ 200



## Made to Measure – whatever your lab size, Phadia 200 plays an important role

- Flexible placement, requires less than 0.5 m<sup>2</sup> of benchtop space
- Define test menus for your customers' unique diagnostic needs, choosing from up to 700 different ImmunoCAP and EliA tests
- Increase operational efficiency through long walk-away time, full automated barcode traceability of reagents
- Minimize downtime through LabCommunity supported remote diagnostic and trouble-shooting

## Up to 700 automated ImmunoCAP and EliA tests on your benchtop

- Throughput: up to 96 ImmunoCAP or 48 EliA results in one 3-4h assay
- Batch processing with 42 sample tube positions
- Fully automated reagent and sample traceability and handling
- Network connectivity to LIS, Phadia Laboratory Systems cluster and LabCommunity
- Phadia Prime operator software, art no 12-4101-00

## Phadia 200 Instrument

Product	Size	Art. No.
Phadia 200	1	12-4300-00

## Phadia 200 Accessories

Product	Size	Art. No.
Carrier Tray, Phadia 200	1 pcs	12-4302-74
Wash/Rinse Bottle, Phadia 200	1 pcs	12-4302-78
Rinse Bottle Cap, Phadia 200	1 pcs	12-4302-79
Wash Bottle Cap, Phadia 200	1 pcs	12-4302-80
Waste Bottle, Phadia 200	1 pcs	12-4302-81
Waste Bottle Cap, Phadia 200	1 pcs	12-4302-82
Carrier Tray Barcode Labels, Phadia 200	1 pcs	12-4303-02
Dilution Plate, Phadia 200	100	12-4302-00
ImmunoCAP dummy	1x16	14-4317-01
EliA dummy well	4x12	14-5510-01

## Phadia 200 Add-on Software

Product	Size	Art. No.
Phadia Prime Software for external computers	1 pcs	12-4101-00
Phadia 200 Streptavidin Coating Method	1 pcs	12-4301-04
Phadia Xplain ICAP	1 pcs	12-4101-11

## Phadia 200 – System reagents and consumables

Product	ImmunoCAP Size	EliA Size	Art. No.
Development Solution	6 x ~315	6 x >170	10-9440-01
Development Solution	6 x ~200	6 x >110	10-9441-01
Stop Solution	6 x ~185	6 x >560	10-9442-01
Stop Solution		6 x >292	10-9479-01
Washing Solution	2 x 5 l	2 x 5 l	10-9202-01
Washing Solution	6 x 1 l	6 x 1 l	10-9422-01
Phadia Maintenance Solution Kit Small	5 procedures	5 procedures	10-9546-01
Dilution Well	3 x 18	3 x 18	14-5614-35



## Phadia 100 Instrument

**NOTE:** The Phadia 100 instrument was discontinued in 2016. Reagents for the instrument will be available until the end of December 2023, and service for operating the instrument until June 2024.

## Phadia 100 Accessories

Product	Size	Art. No.
Printer paper, Phadia 100	2 rolls	12-3501-05
Paper Holder Pin, Phadia 100	1	12-3500-93
Carrier Rack, Phadia 100	1	12-3250-01
Carrier Rack Stand, Phadia 100	1	12-3251-01
Communication Cable, Phadia 100	1	12-3500-94

## Phadia 100 – System reagents and consumables

Product	ImmunoCAP Size	EliA Size	Art. No.
Development Solution	6 x 100	6 x 48	10-9478-01
Stop Solution	6 x 100	6 x 240	10-9479-01
Washing Solution	2 x 5 l	2 x 5 l	10-9202-01
Washing Solution	6 x 1 l	6 x 1 l	10-9422-01
Phadia Maintenance Solution Kit Small	5 procedures	5 procedures	10-9546-01
Dilution Well	3 x18	3 x18	14-5614-35
EliA dummy well	N/A	4x12	14-5510-01



# Quality Club – Compare your lab performance

Demands for better quality assessment and performance standards are growing. So is Quality Club.

Health authorities throughout the world are striving to create performance and comparability standards. These ambitions require that diagnostic testing laboratories continuously assess their performance.

Quality Club is an international quality assessment program that helps participating laboratories meet this need. Today, the available programs are Specific IgE, Total IgE, ECP and EliA Autoimmunity. Every month, laboratories receive a detailed, confidential report of their performance so that they can compare their test results with others.

The well-documented Quality Club information helps them to monitor performance and secure high standards of accuracy and reliability. Furthermore, it also helps gain the confidence of the physicians who send in samples for testing.

All that's required is that once a month the laboratory technicians assay a small number of control samples and return the results to us.



## Quality Club

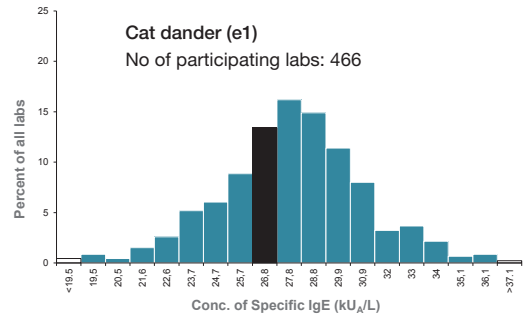
### Results from all labs

N (except outliers)	463
Median	28,6 kU <sub>A</sub> /L
Mean	28,5 kU <sub>A</sub> /L
SD	2,97 kU <sub>A</sub> /L
CV	10,4 %
Mean - 2 SD	22,5 kU <sub>A</sub> /L
Mean + 2 SD	34,4 kU <sub>A</sub> /L

Your results	27,7 kU <sub>A</sub> /L
Deviation from mean	-2,68 %
Deviation score	-0,26

### Quality Club Specific IgE Monthly Report

Lab Code:	040 019
Test Period:	January 2022
Sample Lot No.:	AWVBT
System:	Phadia 250 (01487)



Monthly reports show exactly how your testing measures up to results from other laboratories.



## How to become a member

Quality Club membership is open to all public and private sector laboratories operating Phadia Laboratory Systems.

For more information, contact your local sales representative or distributor.

## Quality Club

Product	Size	Art. No.
Quality Club Specific IgE	Samples for 4 months	10-9298-01
Quality Club Total IgE	Samples for 4 months	10-9297-01
Quality Club ECP	Samples for 4 months	10-9344-01
Quality Club EliA Autoimmunity	Samples for 4 months	83-1006-01



## Specifications – ImmunoCAP & EliA

### ImmunoCAP

Product	Measuring range	Calibrators
Total IgE	2 – 5000 kU/l	2, 10, 50, 200, 1000, 5000 kU/l
Total IgE Low Range	0 – 100 kU/l	0, 0.35, 0.7, 3.5, 17.5, 100 kU/l
Specific IgE	0 – 100 kU <sub>A</sub> /l	0, 0.35, 0.7, 3.5, 17.5, 100 kU/l
Phadiatop / Phadiatop Infant	Positive/Negative or 0 – 100 PAU/l	0.35 kU/l or 0, 0.35, 0.7, 3.5, 17.5, 100 kU/l
Specific IgA	1.0 – 100 mg <sub>A</sub> /l	0.01, 0.02, 0.04, 0.1, 0.3, 1.0 mg/l
Specific IgG	2.0 – 200 mg <sub>A</sub> /l	0.02, 0.04, 0.1, 0.3, 1.0, 2.0 mg/l
Specific IgG4	0.3 – 30 mg <sub>A</sub> /l	0, 3.0, 15, 35, 120, 300 µg/l
ECP	2 – 200 µg/l	2, 5, 15, 100, 200 µg/l
Tryptase	1 – 200 µg/l	1, 5, 12.5, 50, 200 µg/l

### EliA

Product	Calibrators
EliA IgG Method	0, 4, 10, 20, 100, 600 µg/l
EliA IgA Method	0, 0.3, 1.5, 5, 15, 80 µg/l
EliA IgM Method	0, 10, 35, 80, 500, 1000 µg/l
EliA Calprotectin Method	0, 3, 10, 20, 200, 750 ng/ml
EliA Calprotectin 2 Method	0, 3, 10, 20, 200, 750 ng/ml
EliA anti-TSH-R Method	0, 1.5, 3.5, 6.5, 12.5, 40 IU/l

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**Czech Republic** +420 220 518 743  
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