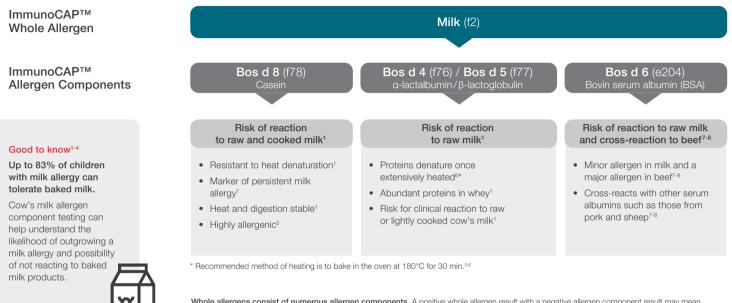
Cow's milk allergy

ImmunoCAP[™] Specific IgE tests

Thermo Fisher



Whole allergens consist of numerous allergen components. A positive whole allergen result with a negative allergen component result may mean a patient is sensitised to a component that is not yet available for testing. Consider a patient's clinical history and if an oral food challenge (OFC) with a specialist may be warranted.

References: 1. Dramburg S, et al. Pediatr Allergy Immunol 2023;34(Suppl 28):e13854. 2. De Boer R, et al. J Allergy Clin Immunol Pract. 2020 Apr;8(4):1459-1461.e5. 3. Leonard SA, et al. J Allergy Clin Immunol Pract. 2015;3(1):24. 4. Sicherer S,H et al. Clin Exp Allergy. 199;29(4):507-512. 5. Shek LP, et al. Allergy. 2005;60(7):912-919. 6. BU G, et al. Dairy Sci. & Technol. 2013; 33:211-223 7. Melioli G et al. Asthma Res Pract. 2016 Jun 2;2:9. 8. Kukkonen A K, et al. Allergy 2015;70:1239–1245. 9. Nowak-Wegrzyn AK, et al. J Allergy Clin Immunol 2008;122(2);342-347. 10. Caubet JC, et al. J Allergy Clin Immunol 2012;131:222-224. 11. lto K, et al. Clin Mol Allergy 2012 Jan 2;10(1):1. 12. Bartuiz J, et al. Curr Allergy Asthma Rep. 2017;17(7):46. 13. Kleine-Febbe J and Jakob T. Molecular Allergy Diagnostics. Innovation for a Better Patient Management. Springer 2017;12(3):291-304 14. Santos AF, et al. Allergy. 2023 Dec;78(12):3057-3076

Official product names: ImmunoCAP Allergen f2, Milk; ImmunoCAP Allergen f76, Allergen component nBos d 4 Alpha-lactalbumin, Milk; ImmunoCAP Allergen f77, Allergen component nBos d 5 Beta-lactoglobulin, Milk; ImmunoCAP Allergen e204, Allergen component nBos d 6 BSA, Cow; ImmunoCAP Allergen f78, Allergen component nBos d 8 Casein, Milk

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Milk (f2)	α-lactalbumin Bos d 4	β-lactoglobulin Bos d 5	BSA Bos d 6	Casein Bos d 8	Interpretation*	Management consideration
+/	+/	+/	♣/	+	 High probability of a persistent milk allergy, Patient is at high risk to have reactions to both raw and cooked milk^{1,10-13} 	 Milk avoidance^{1,5,10,11,13} Consider, in context of other risk factors, prescription of an adrenaline autoinjector ^{1,5,10,11,13} Reassessment of cow's milk allergic children at regular intervals is suggested to identify possible development of spontaneous tolerance¹⁴
•	+	+/	+ /	-	 Indicates a risk to react to raw milk and a probability to have tolerance to cooked/ baked milk, especially if Bos d 8 is negative or at low levels^{1,10-13} More likely to outgrow/develop tolerance to cow's milk^{1,10-13} 	 Avoidance of raw milk^{1,5,10,11,13} Consider an OFC with cooked/baked milk^{1,5,10,11,13} Reassessment of cow's milk allergic children at regular intervals is suggested to identify possible development of spontaneous tolerance¹⁴
•	+ /	+	+/	-		
	+ /	+ /	+	-	 Indicates a risk to react to raw milk and a probability to have tolerance to cooked/ baked milk, especially if Bos d 8 is negative or at low levels^{1,7,8,10-13} Milk allergic patients sensitised to Bos d 6 (BSA) may have concomitant beef allergy^{1,7,8,10-13} 	 Avoidance of raw milk^{1,5,10,11,13} Consider an OFC with cooked/baked milk Reassessment of cow's milk allergic children at regular intervals is suggested to identify possible development of spontaneous tolerance¹⁴ Consider risk of concomitant beef allergy and risk of cross-reaction with other serum albumins^{1,5,8,10,11,13}

* Results should always be interpreted in the context of the clinical history.

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