

Optimized stool extraction procedure

The next step forward for an improved workflow

Fewer stool extraction steps

The EliA™ Stool Extraction Kit *plus* extraction device for the EliA™ Calprotectin 2 test offers an optimized stool extraction procedure and requires fewer extraction steps, less time and enhances safety due to reduced tube labeling. It speeds up the pre-analytical routine, is easy to implement and helps increase the overall efficiency in your laboratory.

8 steps ...

EliA™ Stool Extraction Kit 2	
1	Label extraction device
2	Label secondary tube
3	Transfer sample to extraction device
4	Vortex
5	Incubate (extract)
6	Transfer to centrifuge
7	Centrifuge
8	Transfer stool extract to fresh secondary tube
Analyze stool extract	



... reduced to 4



EliA Stool Extraction Kit <i>plus</i>	
	1 Label extraction device
	2 Transfer sample to extraction device
	3 Vortex
	4 Incubate (extract)
Analyze stool extract	

Figure 1: Stool extraction procedures for EliA Stool Extraction Kit *plus* and EliA Stool Extraction Kit 2

Omitting centrifugation Reducing labeling steps

The 4-step extraction procedure allows measurement of the stool extract directly out of the extraction device. The centrifugation step as well as the transfer of the extract to a fresh secondary tube can be omitted which leads to **time savings** and **improved safety**.

Benefit from improved workflow
and enhanced safety

An economical step forward

Achievable time savings

In an internal study¹, 30 stool samples were extracted to compare the process time when applying the EliA Stool Extraction Kit *plus* and the EliA Stool Extraction Kit 2.

The study aimed to determine the total process time as well as the hands-on time per extraction procedure and the respective time savings.

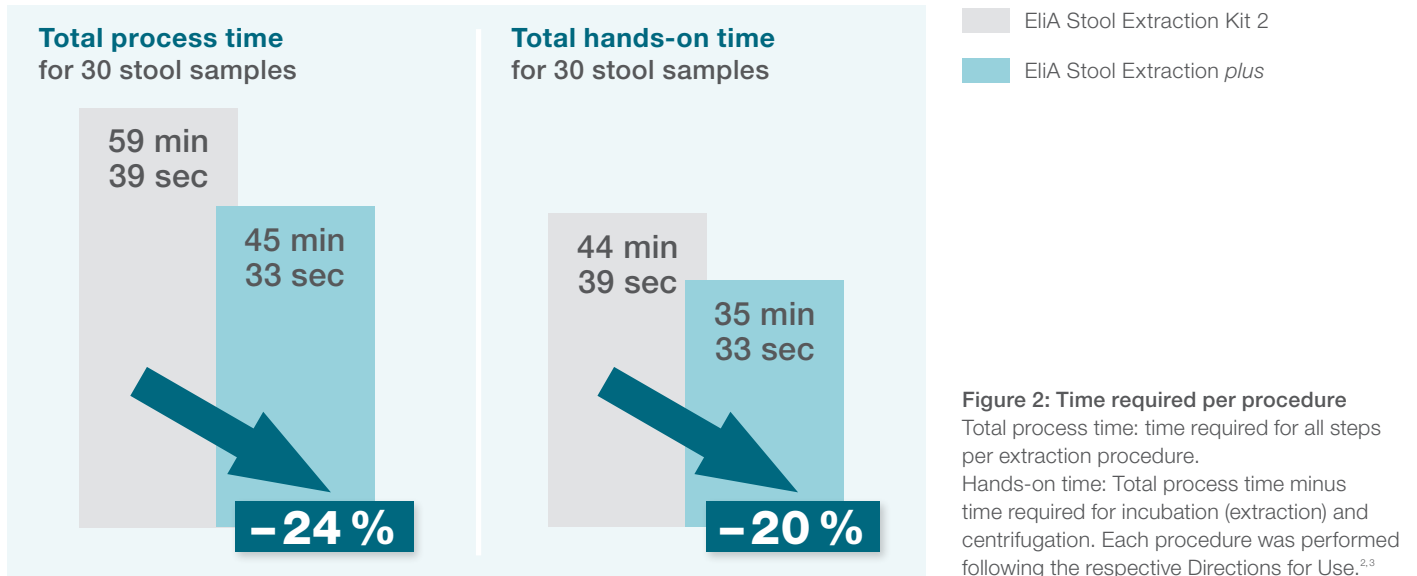


Figure 3: Total process time savings per week, month and year for 30 stool samples based on the calculation from figure 2.

Less waste – reduced expenses

The extraction of 30 samples per day utilizing the EliA Stool Extraction Kit *plus* will lead to **a reduction of 7500 secondary tubes and labels** per year – more

than 11 kg less plastic waste to dispose of – a benefit for both the environment and laboratory budget.

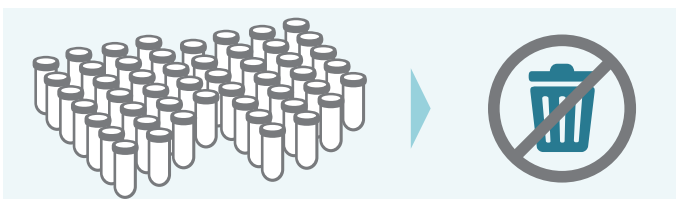


Figure 4: Reduction of plastic waste



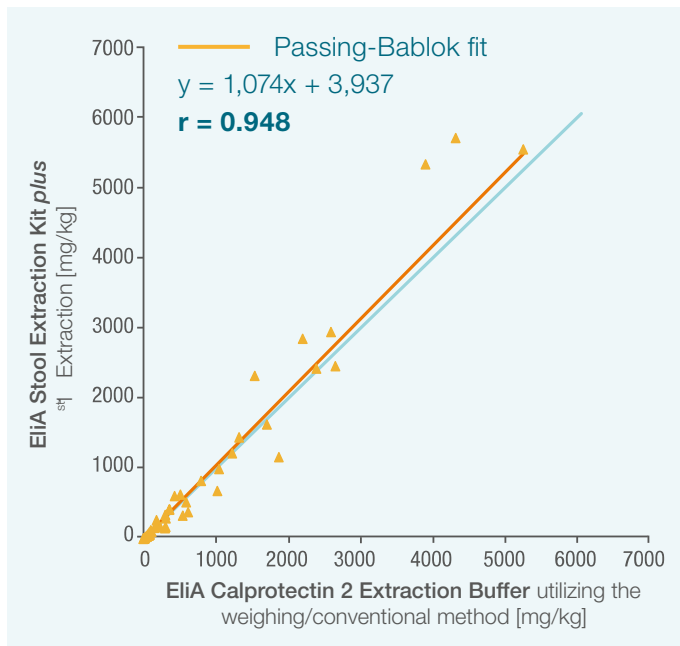
Benefit from increased productivity and cost savings while helping the environment

Easy implementation

Comparable performance

In an internal study, the correlation of EliA Stool Extraction Kit *plus* and the EliA™ Calprotectin 2 Extraction Buffer was analyzed.⁴

Extractions were performed following the respective Directions for Use (DfUs).^{2,3} Results are displayed in a Passing-Bablok regression analysis.



Comparators

- EliA Stool Extraction Kit *plus*
- EliA™ Calprotectin 2 Extraction Buffer as reference utilizing the weighing/conventional method for extraction

Study design/layout

- Extraction of 56 positive stool samples covering measuring range
- Extracts tested on EliA Calprotectin 2 Wells on Phadia™ 250 instrument

Results

Both extraction methods demonstrate comparable EliA Calprotectin 2 test results.

Figure 5: Correlation analysis. EliA Stool Extraction Kit *plus* versus EliA Calprotectin 2 Extraction Buffer⁴



No Phadia™ Prime software update required

The EliA Stool Extraction Kit *plus* extraction procedure can be easily implemented into the laboratory routine:

- ✓ No need for software updates
- ✓ No change of Phadia instrument settings



Easy storage of stool extract

Even for extract freezing, the stool sediment can remain in the extract for storage. Stored extracts should not be vortexed/mixed before measurement.

The stool extract can be stored up to 72 hours at room temperature (25 °C), 7 days at 2–8 °C and 3 months at ≤ –20 °C.²

Benefit from easy implementation through comparable test results, unchanged instrument settings and simple storage of stool extract

EliA Stool Extraction Kit *plus* extraction device – the next step forward for an optimized stool extraction workflow for EliA Calprotectin 2 testing

Same extraction device

Pre-filled with 1800 µl of EliA™ Stool Extraction Buffer *plus*

Blue-colored extraction buffer



Benefits of using the EliA Stool Extraction Kit *plus*



Time savings – fewer stool extraction steps increasing productivity



Simple implementation – comparable performance to existing stool extraction buffer



Enhanced safety – reduced labeling steps



Less waste – a benefit for the environment and laboratory budget



No Phadia Prime software update required



Easy storage of stool extract

Technical information

Product	Article No.	Package size	Cut-off		Short name
			Negative	Positive	
EliA Calprotectin 2 Well	14-6748-01	4 x 16 wells	≤ 50 mg/kg	> 50 mg/kg	cn2
EliA Stool Extraction Kit <i>plus</i>	14-6665-01	50 tubes	–	–	–
EliA Stool Extraction Buffer <i>plus</i>	83-1187-01	6 bottles (113 ml each)	–	–	–

References

1. Thermo Fisher Scientific. Internal study.
2. EliA Stool Extraction Buffer *plus*/EliA Stool Extraction Kit *plus*. Directions for Use, version 20
3. EliA Calprotectin 2 Extraction Buffer/EliA Stool Extraction Kit 2. Directions for Use, version 20
4. Thermo Fisher Scientific. Internal study.

Find out more at thermofisher.com/elia