

CALPROTECTIN

EliA™
Excellence in Autoimmunity

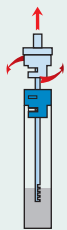
How to prepare an EliA™ Calprotectin stool test

Stool extraction in six quick and easy steps

Method 1

Extraction using the EliA Stool Extraction Kit (order no. 14-5638-01, 50 tubes). The extraction tubes are pre-filled with 750 µl of EliA Calprotectin Extraction Buffer.

1



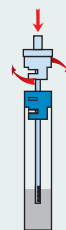
Unscrew the tube's upper, light blue cap and pull out the connected rod.

2



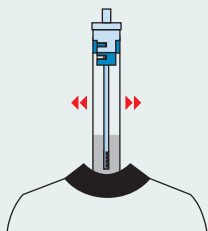
Insert the rod into the stool sample. The four notches at the lower part of the rod must be completely covered with stool.

3



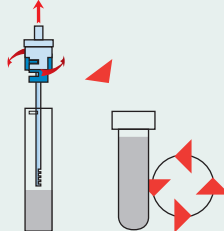
Insert the rod back into the tube carefully. Lock the tube firmly.

4



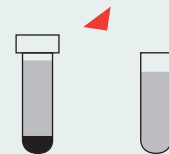
Homogenize the stool sample completely using a vortexer. Afterwards incubate for 10 minutes.

5



Unscrew the tube's lower, dark blue cap. Discard complete cap and rod. Transfer the homogenate to an Eppendorf tube and centrifuge for 5 minutes at 3000 x g.

6



Transfer the supernatant to a fresh tube. The supernatant is the raw sample used for testing.

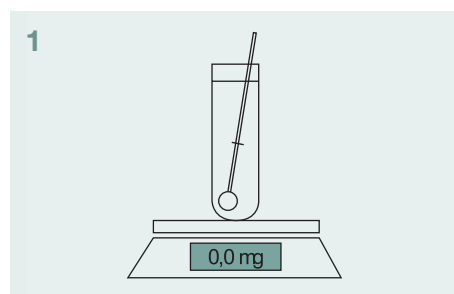
The stool extract can be stored at $\leq -20^{\circ}\text{C}$ for max. 3 months. Storage in the fridge is not recommended, not even overnight, as this will lead to decreased calprotectin concentrations.

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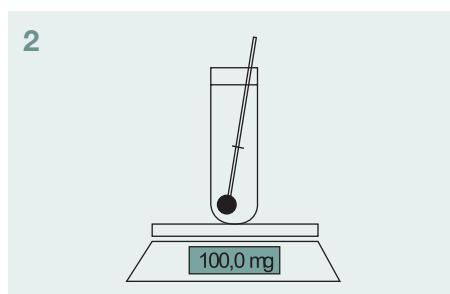
Stool extraction in six quick and easy steps

Method 2

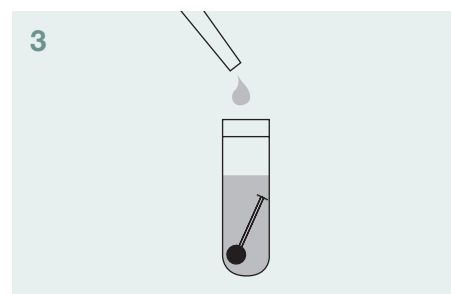
Extraction using conventional stool extraction devices which are not pre-filled with extraction buffer. We recommend the "Faecal sample preparation kit" by Roche Diagnostics, which is available through Thermo Fisher Scientific (order no. 14-5619-01, 50 tubes).



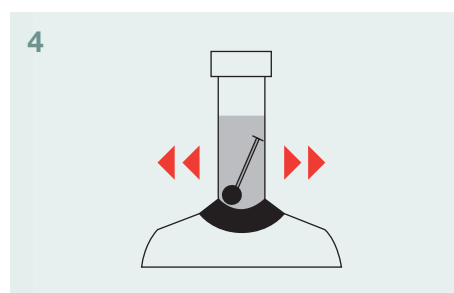
1 Pre-weigh empty extraction device including sample chamber.



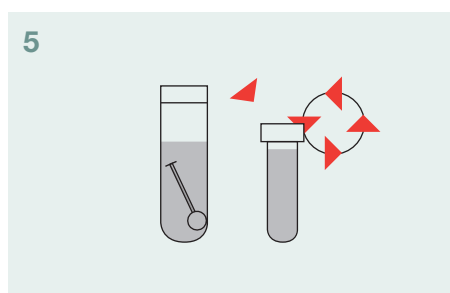
2 Transfer approximately 100 mg of homogeneous stool sample to the extraction device. Weigh the transferred amount of stool.



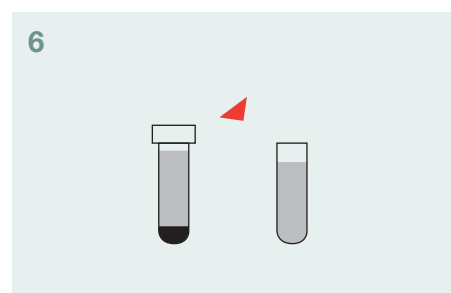
3 Add 50 times the stool weight of EIA Calprotectin Extraction Buffer (e.g. 100 mg stool sample + 5 ml buffer).



4 Close extraction device, homogenize the sample completely using a vortexer. Afterwards incubate for 10 minutes.



5 Transfer 1-2 ml of the homogenate to an Eppendorf tube and centrifuge for 5 minutes at 3000 x g.



6 Transfer the supernatant to a fresh tube. The supernatant is the raw sample used for testing.

**The stool extract can be stored at $\leq -20^{\circ}\text{C}$ for max. 3 months.
Storage in the fridge is not recommended, not even overnight,
as this will lead to decreased calprotectin concentrations.**



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