

Parasites conservation and concentration systems



- Safe and clean procedure
- Simplifies sample collection
- For the detection of trophozoites, cysts, larvae and eggs of intestinal parasites.
- Reduces the possibility of infection
- CE IVD marked



¿What are our Mini & Midi System Total-Fix®?

The Mini & Midi-System Total-Fix® is a disposable plastic device for the collection, fixation, filtration and concentration of intestinal parasites in faeces. The collection vial contains Total-Fix®, a powerful formalin-free fixative that preserves the morphology of the parasite structures in a highly efficient way.

The concentration method is a modification of the classical Ritchie method, recommended by the WHO, and is carried out with an integrated double horizontal filter that removes large faecal debris, allowing a clean sediment to be obtained after centrifugation.

Two different formats are available to suit the needs of any laboratory. The Mini System is our most convenient and handy device, the size of a conventional 15 ml tube, while the Midi-System is the size of a 50 ml tube, and allows to work with a larger amount of sample.

¿What advantages do our Mini & Midi System Total-Fix® offer?

Total-Fix® fixative is formaldehyde and heavy metals-free, offers the same preservative activity as conventional formaldehyde-based fixatives and is compatible with molecular techniques.

The two integrated filters allow efficient and uniform filtration and have the optimal pore size for clear sediment and good recovery of both helminth eggs and protozoa without the addition of ether or ethyl acetate.

The collection vial contains glass beads to facilitate homogenisation of the sample.

The protocol is fast and clean, with no need for additional consumables, and avoids direct contact with the sample, bad odours and risk of accidental contamination.



Technical specifications

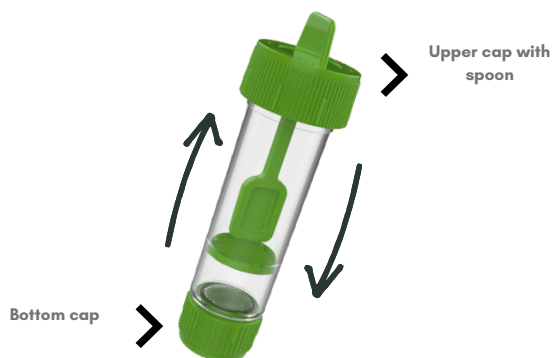
- Volume of fixative: 4 and 10 ml respectively.
- Compatible with 15 and 50 ml centrifuge rotors, no adapters required.
- 2 mm diameter glass beads for easy homogenisation.
- Anti-leak joints incorporated in both caps.
- Double horizontal filter of 200 and 450 microns.



Sample collection procedure



- 1.** Shake the tube containing the sample vigorously for 30 seconds to facilitate disintegration of the sample.



2.

Holding the tube downwards, replace the lower plug with the sedimentation cone.

Sedimentation cone



If the sample is very compact, 3 drops of surfactant such as Tergitol (or similar) 20% can be added to improve homogenisation.

A drop of Lugol's can be added to the slide to facilitate visibility of the structures.

It is recommended to examine the whole area systematically to ensure a correct diagnosis.

- 3.** Centrifuge 3 minutes at 700 g (2000 rpm).



4.

Carefully discard the supernatant and re-suspend the pellet with 1-2 drops of water or saline. Transfer a small amount to a slide and examine under the microscope.



Accessories

- Empty tube without filter for fresh sample collection
- Sedimentation cone cap for sediment storage
- Easy-Pick system consisting of non-drip perforated cap for sedimentation cone and 0.9ml pipette (only available for Mini-System)
- Disposable wooden sample scoop for sample collection



Presentation

Mini System: 150 units
Midi System: 98 units



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Durviz S.L.
Parque Tecnológico de Valencia
Leonardo da Vinci, 10
46980 Paterna (Valencia)
España

Tel: 96 136 61 07
Fax: 96 136 61 68
durviz@durviz.com
www.reallaboratory.com
www.durviz.com

I230419

