

FOR FAECAL CONCENTRATION OF
HELMINTH OVA AND LARVAE / PROTOZOA CYSTS
AND OOCYSTS



Maxi Parasep[®]
FAECAL PARASITE CONCENTRATOR



PARASITOLOGY
SINGLE USE IN VITRO DIAGNOSTIC DEVICE

Health and Safety Benefits

- Totally enclosed/sealed process
- Reduced reagent volumes
- No cleaning required
- Single use, no sample contamination

Performance Benefits

- Optimum sample recovery
- Enhanced sample clarity
- Rapid four step process
- Human resources optimised
- Easy patient identification

Introduction

Maxi Parasep® is a rigid, single use separation filter for the concentration of intestinal parasites.

Principle

The filter allows for one step concentration with a simple operational procedure allowing for the stools to be collected outside the laboratory in the collection vial. The filter attaches onto most 30ml transport vials and 15ml centrifuge tubes. Once the filter is connected to the collection vial the device is then sealed preventing operator exposure to biological and chemical hazards.

Test Procedure

1. Add to the 30ml collection vial 9ml of 10% Formalin Fixative and 3 drops of Triton X-100 (alternatively pipette 9ml of Sodium Acetate-Acetic Acid Formalin Solution (SAF)).
2. Introduce 1 spoonful of fresh faeces (2-3g) or if using preserved faeces add 3 spoonfuls (5-6g) using the spoon on the end of the Maxi Parasep®, into the collection vial. Seal the Maxi Parasep® onto the collection vial ensuring that the Maxi Parasep® is tightly attached to the vial.
3. Vortex or shake to emulsify with the 15ml centrifuge tube pointing upwards.
4. Invert the Maxi Parasep® until the sample has sedimented through (if required, lightly tap the end of the centrifuge tube on a hard surface).
5. Remove the centrifuge tube from the Maxi Parasep® (safely disposing of the Maxi Parasep® filter and collection vial) and add 3ml of Ethyl Acetate to the sample.

6. Tightly screw on the centrifuge tube lid and centrifuge at 500g for 5 minutes.
7. Loosen the fatty plug and pour off the liquid above the supernatant.
8. Transfer the sediment for examination.

Ethyl Acetate can be added to the sample before it is filtered (ie: pipetting 3ml into the collection vial) or once the sample has been passed through the Maxi Parasep®.

References

For further information on Faecal Parasitology Methods and identification, please consult the following texts;

1. 'Medical Microbiology' PR Murray, WL Drew, GS Kobayashi & JH Thomson. Mosby Books Inc., New York 1990.
2. 'Tropical Medicine and Parasitology' W.Peters & HM Gilles. Wolfe Medical Publications.
3. 'Atlas of Medical Helminthology and Protozoology' Jeffrey & Leach. E & S Livingstone Ltd.
4. 'Atlas of Human Parasitology' LR Ash and TC Orihel. ASCP Press, Chicago.
5. 'Diagnostic Medical Parasitology' LS Garcia & DA Bruckner. Elsevier Science Publishing Co. Inc
6. 'Quality Control, Principles and Practice in the Microbiology Laboratory' JJS Snell, ID Farrell & C Roberts. Public Health Laboratory Service. ISBN 0 901 144 312.
7. 'Basic Laboratory Methods in Medical Parasitology' World Health Organisation. ISBN 92 4 154410 4.
8. 'Evaluation of the Parasep (faecal parasite concentrator)' M.Kettlehut, A.Moody, H.Edwards and P.L.Chiodini
9. 'Advances in Giardia Research' p211-213. University of Calgary Press.
10. 'Assessment of Parasep, a Novel Parasite egg retrieval system; use in faecal and waste water testing' K.L.Samways et al. presented to Royal.Soc.Trop.Med.

Ordering Information

PRODUCT	PACK SIZE	CODE
Maxi Parasep® (with 30ml mixing tube)	50	147001

Products can be ordered direct from Apacor or from an appointed distributor

Visit our website for all the latest information www.apacor.com or e-mail on: sales@apacor.com



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