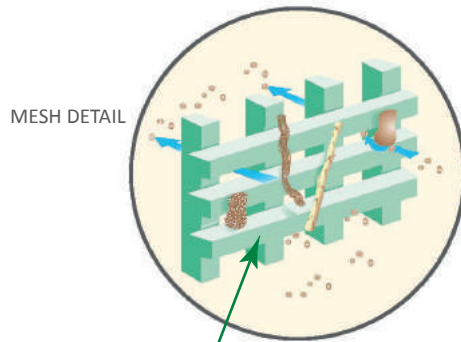


FOR FAECAL CONCENTRATION OF

HELMINTH OVA AND LARVAE / PROTOZOA CYSTS AND OOCYSTS

APACOR

Midi Parasep®
FAECAL PARASITE CONCENTRATOR



SELF STANDING
SAMPLE CHAMBER

MIXING CHAMBER

INTEGRAL
SPOON

Filter

A two stage filtration matrix. Large particles are rejected without occluding the 425µm pores. Recovery rate with Parasep® is comparable to traditional sieve method, ie: Ridley-Allen. The vertical filter enclosed design is patented.

Debris Trap

Rejected particles are trapped to prevent extrusion into the Sedimentation Cone during centrifugation.

Air/Liquid Seal and Safety Lock

The 'seal' prevents the release of biohazardous material. The 'lock' ensures the Mixing Chamber and Filter are removed together for safe disposal.

Sedimentation Cone

Sediment forms in the base of the cone allowing examination for the presence of helminth eggs or larvae and protozoa cysts or oocysts.

Health and Safety Benefits

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

Performance Benefits

- Optimum sample recovery
- Enhanced sample clarity
- Rapid four step process
- Human resources optimised
- Easy patient identification
- Fits all 50ml centrifuge buckets



PARASITOLOGY

SINGLE USE IN VITRO DIAGNOSTIC DEVICE



Procedure

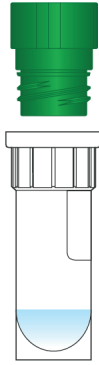
STEP 1 - SAMPLE PREPARATION

For empty Parasep®, unscrew lid and add 6.0ml of fixative and one drop of surfactant (eg: Triton X-100) to the mixing chamber.

Alternatively use the reagent ready Midi Parasep®.

Introduce a pea sized faecal sample. Add 2.0ml of Ethyl Acetate to the mixing chamber.

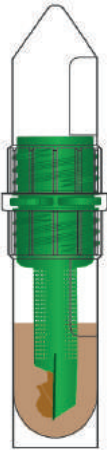
Mix in thoroughly with the Midi Parasep® spoon. If the sample is hard, break it up with the end of the spoon.



STEP 2 - EMULSIFICATION

Seal the Midi Parasep® by screwing in the filter/ sedimentation cone unit.

Vortex or shake to emulsify with the sedimentation cone pointing upwards.



STEP 3 - CENTRIFUGATION

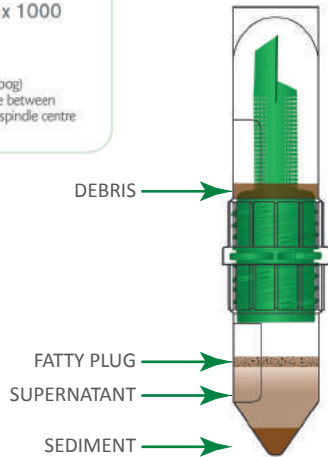
Invert the Midi Parasep® and centrifuge at 1200g for three minutes.

Midi Parasep® fits all 50ml centrifuge buckets.

NOTE: TO CALCULATE THE REQUIRED RPM FOR ANY CENTRIFUGE.

$$RPM = \sqrt{\frac{g}{1.12r}} \times 1000$$

RPM - rotor speed in revs/min.
g - centrifugal force (max.1000g)
r - radius, horizontal distance between sedimentation cone tip and spindle centre measured in mm.

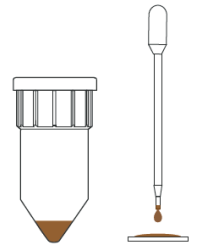


STEP 4 - EXAMINATION

Direct Method

Unscrew and discard the filter and mixing tube. Pour off all the liquid above the sediment.

Pipette one drop of saline or Lugol's Iodine solution onto a slide, add one drop of deposit to the saline or Lugol's Iodine, mix sample and cover with cover-slip.

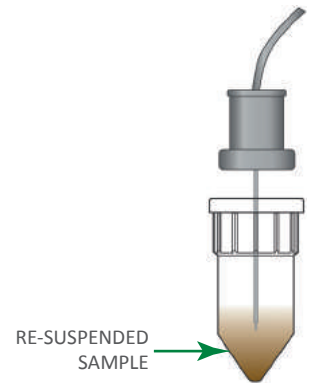


OR

Semi-automated System - ParaSys™

Unscrew and discard the filter and mixing tube. Pour off all the liquid above the sediment.

Press 'Dilute' to add Saline to the sediment. Shake or vortex to re-suspend sample. Insert Aspirator into suspension and press SAMPLE to draw 100µl into the ParaSlide™. (Refer to ParaSys™ instruction manual).



See label for storage conditions and expiry date. Please adhere to the following guidelines when handling Midi Parasep®. To avoid cross contamination the Midi Parasep® device should remain closed at all times except when introducing the sample or when retrieving the final concentrated sample for examination.

Midi Parasep® is available empty or reagent ready
Please ask for details

Products can be ordered direct from Apacor or from an appointed distributor
Visit our website for all the latest information www.apacor.com or email on: sales@apacor.com



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