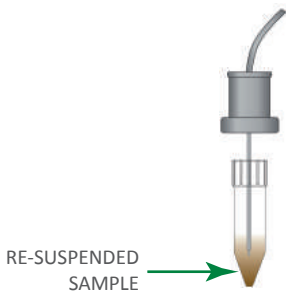
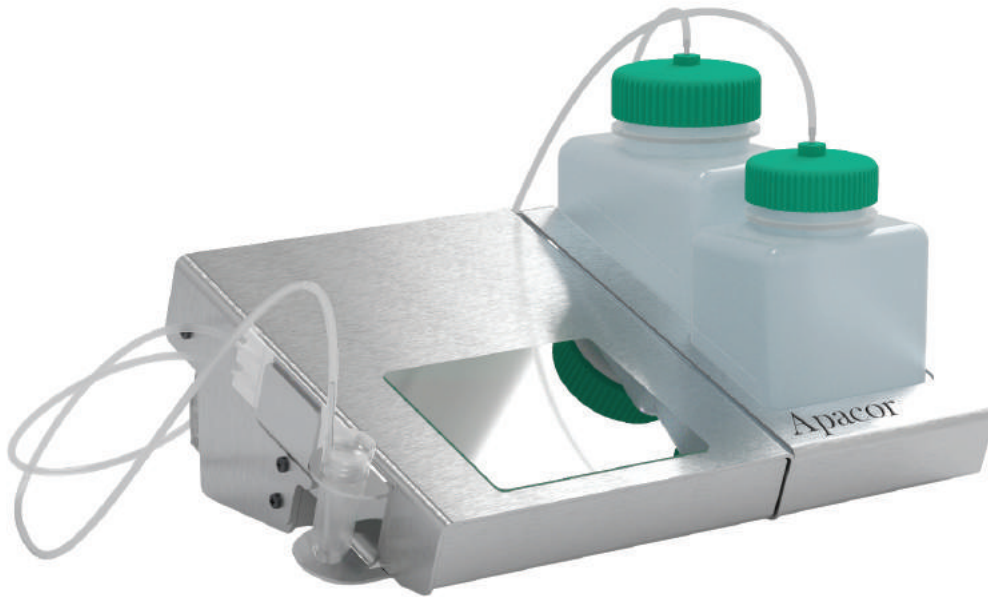


# RAPID ANALYSIS OF

INTESTINAL PARASITES FROM FAECAL SAMPLES  
(HELMINTH OVA AND LARVAE / PROTOZOA CYSTS AND OOCYSTS)

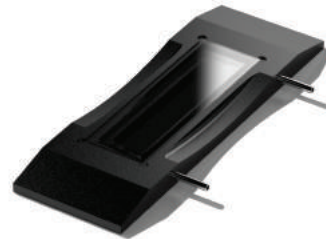
APACOR

ParaSsys™  
RAPID ANALYSIS OF INTESTINAL PARASITES



#### Four Simple Steps

1. Place the aspirator probe into the tube containing the faecal concentrate.
2. Press the dilution button then the sample button to deliver a perfectly mixed aliquot of sample into the re-usable ParaSlide™
3. Identify the parasites. The unique ParaSlide™ gives 1 x 100µl sample, this is double the traditional volume in a standard microscope slide with coverslip. In addition a further 100µl may be requested from the touch screen, thus increasing the volume to 200µl.
4. Press the clean button to flush out the chamber of the ParaSlide™ ready for the next sample.



#### Health and Safety Benefits

- Safer for lab staff as no contact with hazardous samples or reagents
- Self Cleaning at the push of a button before and after samples are processed, no cross contamination

#### Performance Benefits

- Increased sensitivity
- Rapid automated transfer of parasite concentrates into ParaSlide™ optical assembly for analysis
- Improved morphology of Ova, Larvae, Cysts and Oocysts in our ParaSlide™ as there is no coverslip distortion
- More consistent results with fixed sample size and human error eliminated which enables laboratories to have a Standardised procedure in place
- Saves money with no slides, coverslips or pipettes required - faster than manual microscope processing
- Optimises human resources, reducing operational time



PARASITOLOGY



**TECHNIQUE PRINCIPLES**

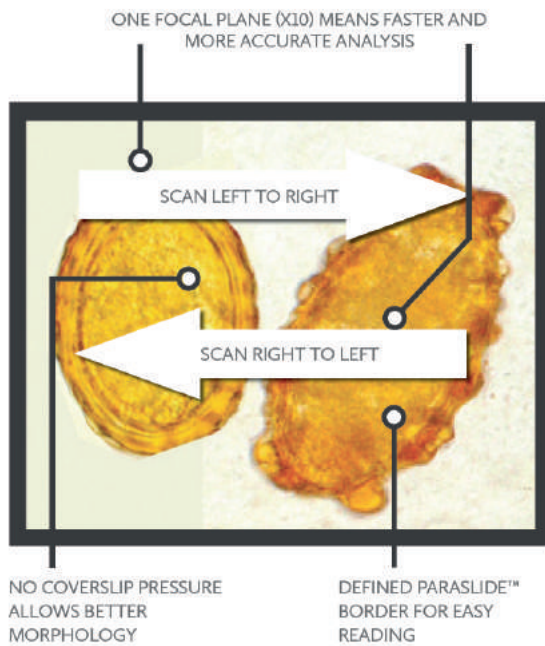
Correct analysis of intestinal parasites involves taking a faecal sample, filtering out the unwanted debris and fat cells, and then examining under a microscope for Protozoa Cysts, Oocysts, Helminth Ova, and any larvae stages that may be present. This process of filtration is termed “concentration” and results in a sample clean enough to view under a microscope, whilst still retaining any parasite lifecycle stages from the original stool sample.

Once concentration has taken place, a representative portion of this concentrate needs to be microscopically examined in order to visibly identify any Protozoa Cysts, Oocysts, Helminth Ova or larvae stages that are present. This requires thorough mixing of the concentrate (to ensure a representative sample is taken) and then transferring a drop size portion to a microscope slide before placing a coverslip over the sample ready for examination. This procedure is time consuming, messy and adds cost by using a slide, coverslip and pipette for each sample you want to examine.

The ParaSys™ was designed to automate the above procedure as far as possible, removing any inconsistencies between users, to provide a faster, safer, cleaner method which gives improved parasite identification and easier sample viewing.

**PARASYS™ PREPARATIONS ARE BETTER QUALITY THAN MANUAL SLIDE LOADING**

The ParaSlide™ has a fixed chamber depth and volume of 100µl which a slide/coverslip combination does not have. Instead of being 'squashed' under a coverslip the parasites 'float' inside the chamber and are easier to see as they better maintain their morphology.



**HOW DOES THE PARASYS™ WORK?**

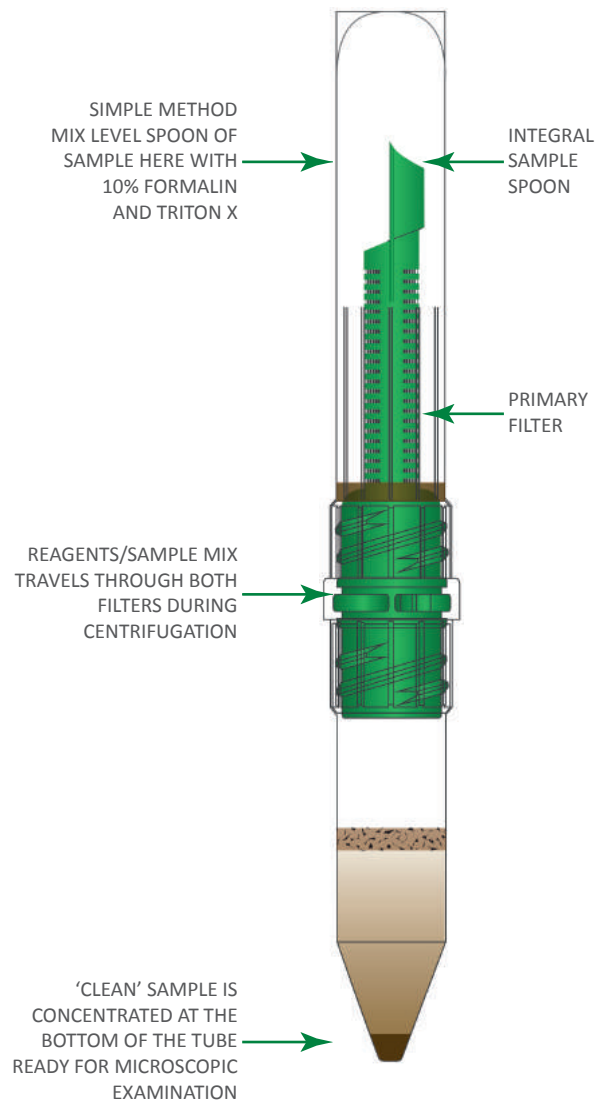
ParaSys™ uses a simple touch screen operation to draw up samples, deliver to a re-usable microscope slide assembly, and then flush through with saline ready for the next sample. The re-usable ParaSlide™ acts as the viewing chamber, and at the touch of a button the system delivers a perfectly mixed sample into the ParaSlide™ for analysis.

**FEATURES INCLUDE:**

- Distinct ParaSlide™ area – Just one focal plane on x 10 magnification, with easy to see edges for faster coverage of the sample.
- Second Sample – This provides another 100µl of sample to be viewed, which prevents false negatives occurring as sensitivity is increased.
- No Cross Contamination - Each clean ensures that the ParaSlide™ remains clear.

**WHICH FAECAL CONCENTRATORS SHOULD BE USED?**

The ParaSys™ is designed to work perfectly with our own Parasep® concentrator tubes.



The ParaSys™ comes with a one year warranty covering defective parts and labour as standard.

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



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