

# RAPID ANALYSIS OF

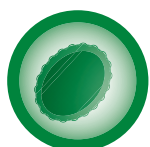
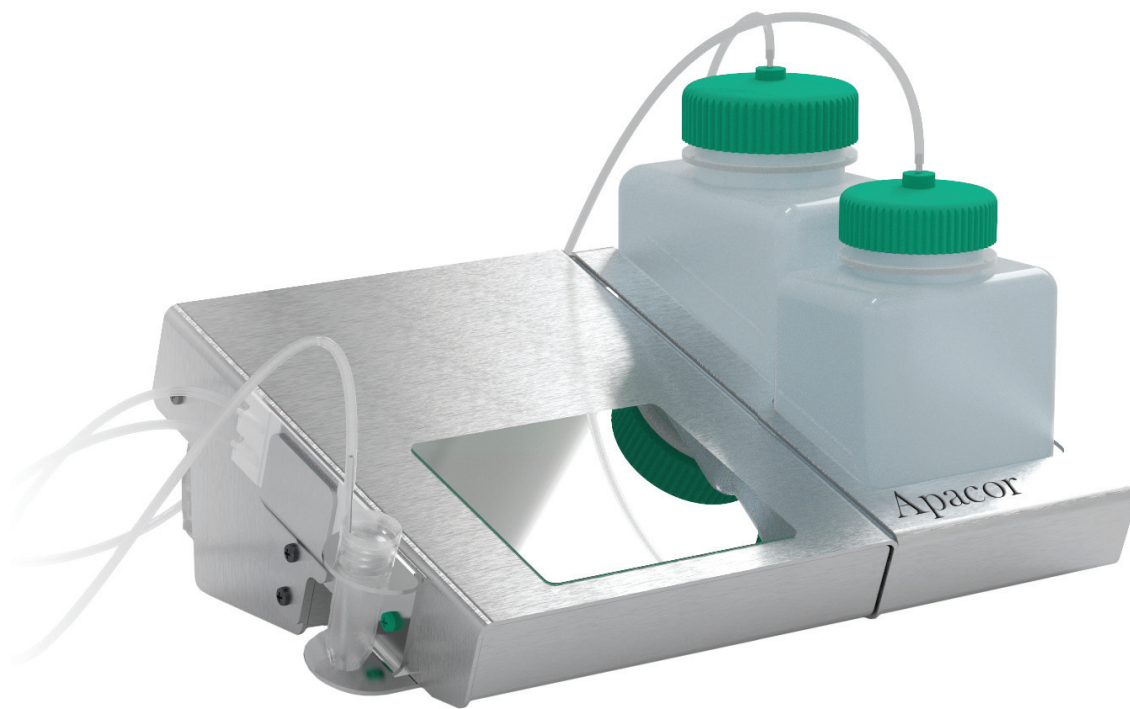
INTESTINAL PARASITES FROM FAECAL SAMPLES

(HELMINTH OVA AND LARVAE / PROTOZOA CYSTS AND OOCYSTS)



# Parasys™

RAPID ANALYSIS OF INTESTINAL PARASITES



# PARASITOLOGY



## 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

## 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.

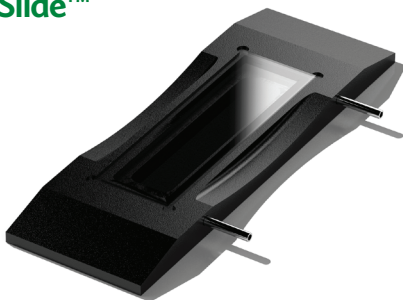
Once concentration has taken place, a representative portion of this concentrate needs to be microscopically examined in order to visibly identify any Protozoa Cysts, Oocysts, Helminth Ova or larvae stages that are present. This requires thorough mixing of the concentrate (to ensure a representative 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.

## 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.

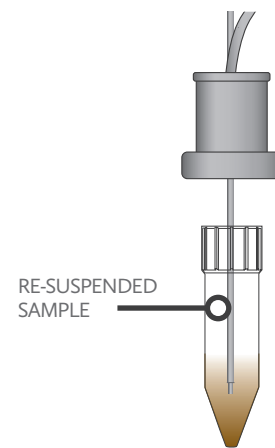
## ParaSlide™



## 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

## 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.

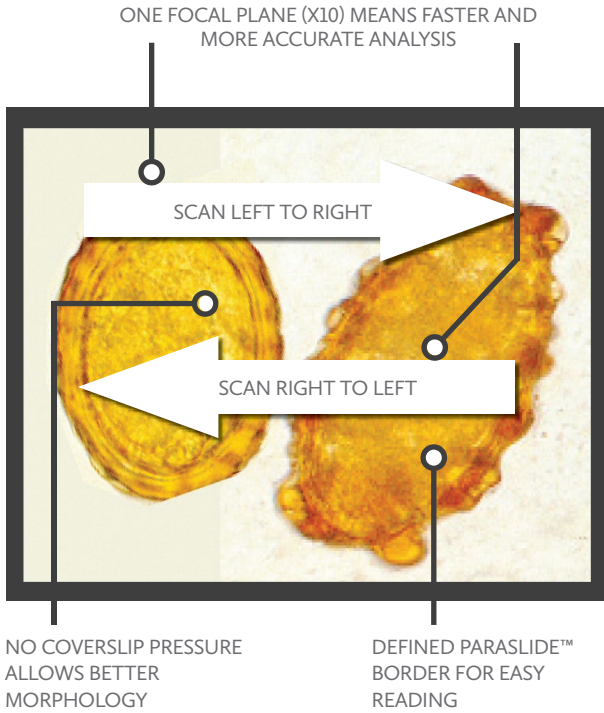
4. Press the clean button to flush out the chamber of the ParaSlide™ ready for the next sample.

## 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.

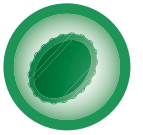
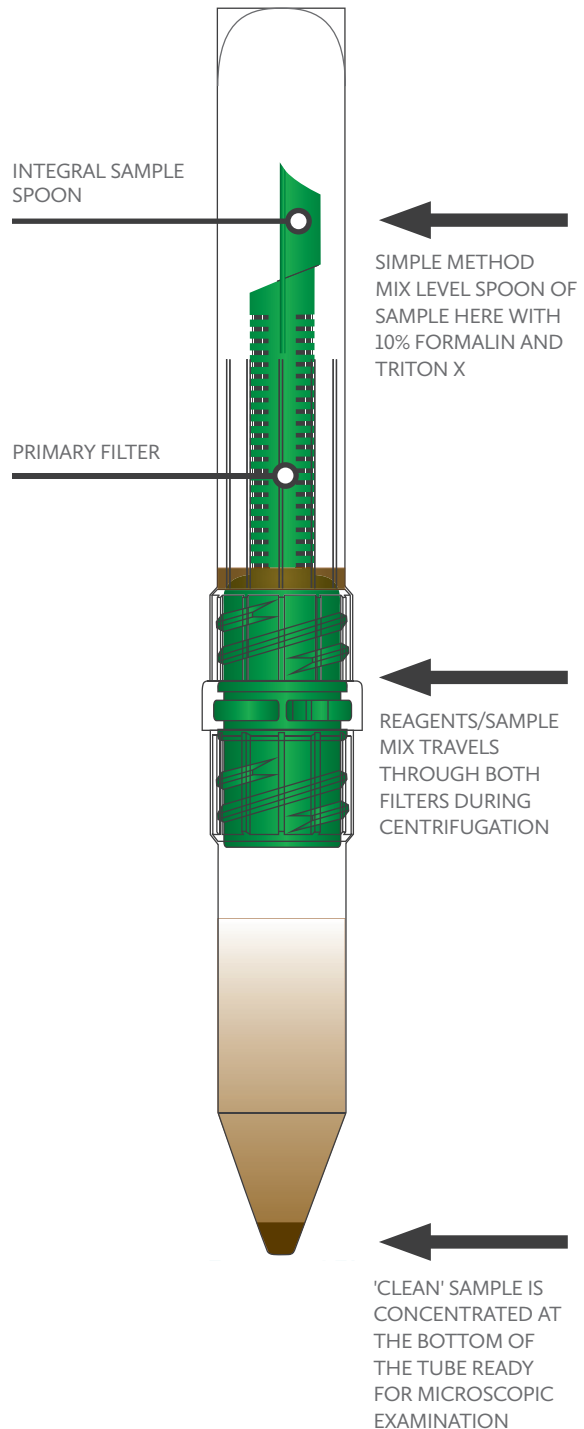
## ParaSys™ Preparations are better quality than manual slide loading

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.

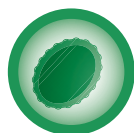


## Which Faecal Concentrators should be used?

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



**ParaSys™**  
RAPID ANALYSIS OF INTESTINAL PARASITES



## Warranty

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

## Patent No.

1119727.4

## Technical Help Desk

Available on the phone during UK office hours, or by e-mail 24 hours a day, our dedicated team are on hand to answer product related technical queries. Please see our contact details at bottom of page or email: [technical@apacor.com](mailto:technical@apacor.com)

## Order Information

PRODUCT	PACK SIZE	CODE
Parasys™	1	170000
ParaSlide™	1	170080
Tubing Rack and Waste Disposal	1	170050
Midi Parasep®	50	145000
Midi Parasep® prefilled with 10% Formalin and Triton X	40	145300
Midi Parasep® prefilled with 10% Formalin Triton X and 80ml bottle of Ethyl Acetate	40	145400
Mini Parasep®	50	146000
Mini Parasep® prefilled with 10% Formalin and Triton X	40	146300
Mini Parasep® prefilled with 10% Formalin Triton X and 40ml bottle of Ethyl Acetate	40	146400
Midi Parasep® SF	50	149900
Midi Parasep® SF prefilled with 10% Formalin and Triton X	40	149910
Midi Parasep® SF prefilled with SAF and Triton X	40	149920
Midi Parasep® SF prefilled with Parasafe®	40	149930
Mini Parasep® SF	50	148800
Mini Parasep® SF prefilled with 10% Formalin and Triton X	40	148900
Mini Parasep® SF prefilled with SAF and Triton X	40	148920
Mini Parasep® SF prefilled with Parasafe®	40	148930

**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 e-mail on: [sales@apacor.com](mailto:sales@apacor.com)

