

INSTRUCTION SHEET DYS001

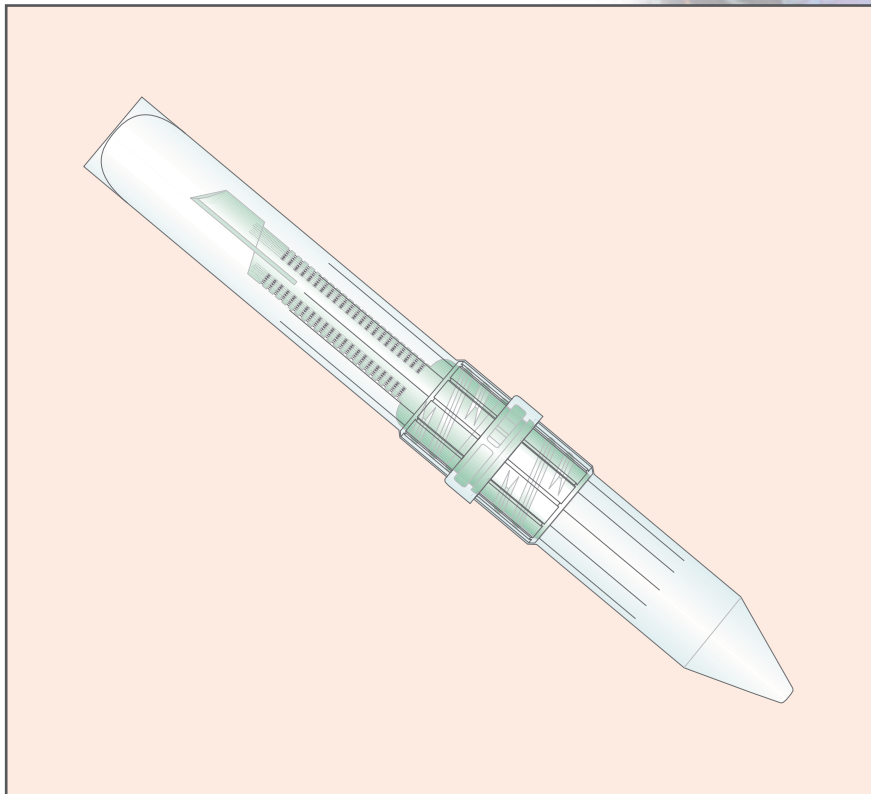
Mini Parasep[®]

Faecal Parasite Concentrator

For the clean and efficient concentration of:

Helminth ova and larvae
Protozoal cysts and oocysts

Single use device for in vitro diagnostic use only



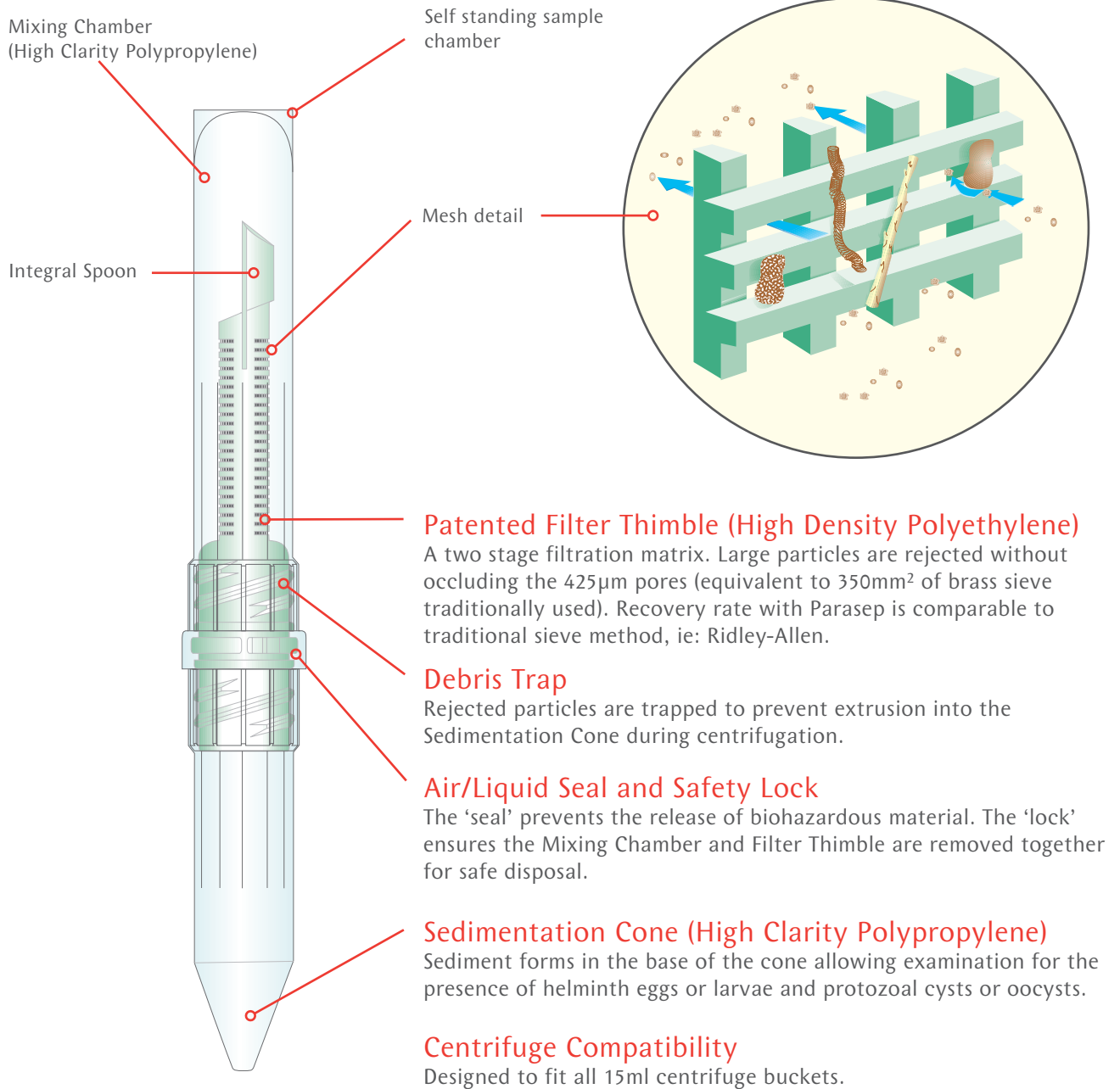
Health and Safety Benefits

- **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**

Mini Parasep® Faecal Parasite Concentrator



Reference Information

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 Ltd.
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. 'Medical Parasitology' R Muller & JR Baker. Gower Medical Publishing.
7. 'Quality Control, Principles and Practice in the Microbiology Laboratory' JJS Snell, ID Farrell & C Roberts. Public Health Laboratory Service. ISBN 0 901 144 312.
8. 'Basic Laboratory Methods in Medical Parasitology' World Health Organisation. ISBN 92 4 154410 4.
9. 'Vade-Mecum of Microbiology' E Bridson. Published by Oxoid Ltd., Basingstoke, UK.
10. 'Evaluation of the Parasep (faecal parasite concentrator)' M.Kettlehut, A.Moody, H.Edwards and P.L.Chiodini
11. 'Comparison of Five Procedures for the Sedimentation of Giardia Lamblia and Other Protozoan Cysts,' D.R.Pennell et al. Advances in Giardia Research p.211-213 univ.Calgary Press
13. '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.
14. 'A critical evaluation of methods available for diagnosis of cryptosporidium parvum and giardia lamblia in faecal samples.' H. Howells, St Mary's Hospital, Portsmouth.

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Procedure

See label for storage conditions and expiry date

Please adhere to the following guidelines when handling Parasep. To avoid cross contamination the Parasep device should remain closed at all times except when introducing the sample or when retrieving the final concentrated sample for examination.

1. Sample Preparation

Unscrew lid and add 2.4ml of 10% buffered formalin and one drop of surfactant (eg: Triton X-100) to the mixing chamber.

Alternatively use the prefilled Mini Parasep units described on the next page as required.

Add 0.9ml of ethyl acetate to the mixing chamber.

Introduce a pea sized (0.5g) faecal sample using the spoon on the end of the Mini Parasep filter thimble.

Mix in thoroughly with the Mini Parasep spoon. If the sample is hard break up with the end of the spoon.



2. Emulsification

Seal Mini Parasep by screwing in the filter thimble/ sedimentation cone unit.

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

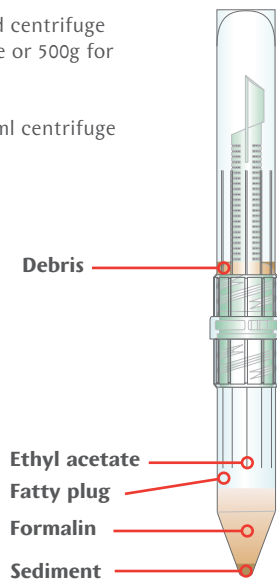
At this stage the system with mixed sample may be left for 24 hours to soften the stool and ensure complete bacteriocidal action of formalin has taken effect.



3. Centrifugation

Invert Mini Parasep and centrifuge at 1000g for one minute or 500g for five minutes.

Mini Parasep fits all 15ml centrifuge buckets.

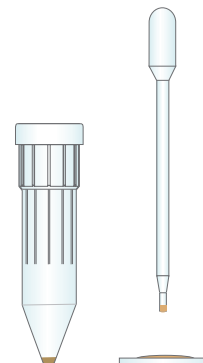


4. Examination

Open very slowly to avoid aerosol release

Unscrew and discard the mixing chamber and filter thimble. Loosen the fatty plug, and pour off all the liquid above the sediment. Transfer the sediment for examination.

For increased resolution see DiaSys guide to staining procedures.



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.

DISCARD IN ACCORDANCE WITH YOUR STANDARD AND LOCAL OPERATING PROCEDURE FOR CLINICAL WASTE



Highly Flammable

SINGLE USE DEVICE



BioHazard



IRRITANT

Mini Parasep® Faecal Parasite Concentrator

Ordering Information

Product	Storage Temp	Pack Size	Code
Mini Parasep (Without liquid filling, including 50 devices and 50 storage lids)	4-35°C	50	146000
Mini Parasep (including 2.4ml of Parasafe ecological fixative)	15-35°C	40	146100
Mini Parasep (including 2.4ml of Formalin Buffered Fixative)	15-35°C	40	146200
Mini Parasep (including 2.4ml of Formalin Buffered Fixative & 1 drop of Triton X)	15-35°C	40	146300
Mini Parasep (including 2.4ml of Formalin Buffered Fixative and 1 drop of Triton X and 80ml bottle of ethyl acetate fat solvent)	4-20°C	40	146400
Mini Parasep (including 2.4ml of Sodium Acetate-Acetic Acid Formalin Solution)	15-35°C	40	146500
Mini Parasep (including mesh)	4-35°C	40	146600
Mini Parasep (including mesh and 2.4ml of Formalin Buffered Fixative)	15-35°C	40	146700
Mini Parasep (including mesh 2.4ml of Formalin Buffered Fixative and 1 drop of Triton X)	15-35°C	40	146800
Mini Parasep (including mesh 2.4ml of Formalin Buffered Fixative and 1 drop of Triton X and 80ml bottle of ethyl acetate fat solvent)	4-20°C	40	146900

Product	Code	Product	Code
Fixatives		Stains	
Formalin 10% Neutral Saline Buffered	1460	Eosin/Saline	1467
Sodium Acetate-Acetic Acid Formalin Solution (SAF) Fixative	1461	Acridine Orange (Acetate Buffered)	1480
Schaudinn's Fixative	1462	Auramine Phenol (Lempert)	1481
10% Formalin Fixative in water	1463	Field Stain-Solution A	1482
Merthiolate-Iodine-Formalin (MIF)	1465	Field Stain-Solution B	1483
Polyvinyl Alcohol (PVA)	1466	Giemsa Stain-Rapid	1484
Reagents		Lugol's Iodine-Aqueous	1486
Mayers Glycerin/Albumin	1470	Iron Haematoxylin-Solution A	1487
Physiological Saline	1471	Iron Haematoxylin-Solution B	1488
Triton X-100 Solution	1472	Trichrome For Microsporidia	1489
Ethyl Acetate	1473	Trichrome For Protozoa	1490
Acetone	1475	Carbol Fuchsin for modified Z/N Stain (cold Kinyoun)	1500
Neutral Red	1494	Malachite Green	1501
DPX Mounting Media	1520	Methylene Blue	1502
Immersion Oil	1521	Modified Z/N Stain Pack (cold Kinyoun)	1503
		General Microbiology Stain Reagents	
		Gram Iodine	1491
		Gram Stain Pack	1504
		Crystal Violet	1492
		Safranin	1493
		Grams Fuchsin	1495
		Lugol's Iodine	1486
		Grams Decolouriser	1476
		Grams Carbol Fuchsin	1505
		Carbol Fuchsin for standard Z/N stain	1506

Order product direct from DiaSys or appointed distributor



DiaSys updates its home pages on the Internet regularly with new product announcements, applications and company news. Visit our web page for all the latest information: <http://www.diasys.com> or e-mail on: sales@diasys.co.uk



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