

# Veterinary Parasep<sup>®</sup> Faecal Filters

For fast and accurate Worm Egg Counts  
Single use device for in vitro diagnostic use only



- **Improved health and safety** - Separates eggs from faecal debris in a safe, enclosed environment.
- **More consistent results** - Simplified method reduces chance of error.
- **Eliminates risk of cross contamination** - Single use and disposable product.
- **Proven to work with McMaster chamber techniques** - Independent laboratory testing undertaken by a leading veterinary institution.

**WOODLEY**  
EQUIPMENT COMPANY LTD.

[www.woodleyequipment.com](http://www.woodleyequipment.com)

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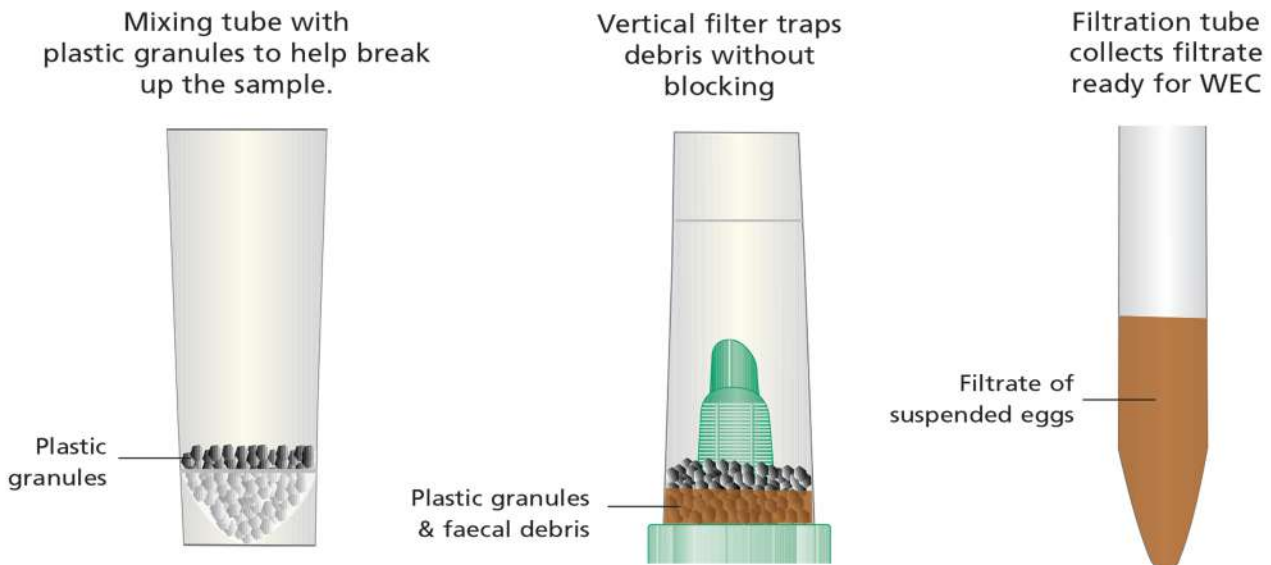
## Introduction

Developed in conjunction with leading veterinary institutions, these filters offer an improved method of determining Worm Egg Counts (WEC) in Cattle, Sheep and Horses. Flotation methods for WEC can require several Specific Gravity solutions to cover different parasites. The two common flotation methods, 'Modified McMaster' and 'Improved Modified McMaster', both use Saturated NaCL and are both catered for with Veterinary Parasep.

## Key advantages you will notice are:

- **Cleaner, safer method** - The enclosed filtration environment keeps user contact with harmful vapours and aerosols to a bare minimum.
- **No possibility of cross contamination** - being single use and disposable prevents any possibility of sample carryover.
- **More accurate and consistent results** - Egg counts can be affected using traditional techniques, by unintentional inconsistent sample mixing.
- **No laborious 'clean up' of sinks, shaker bottles and sieves** - All the filtration, mixing and shaking is performed inside the Veterinary Parasep tube.

## Three simple components



## Proven to provide egg counts in line with traditional methods

Independent testing by a leading Veterinary Laboratory found that Veterinary Parasep gave comparable Worm Egg Counts to both the Modified McMaster and the Improved Modified MacMaster techniques. This comparison was undertaken for Ovine, Bovine and Equine samples.

## Suitable for Ovine, Bovine and Equine Samples



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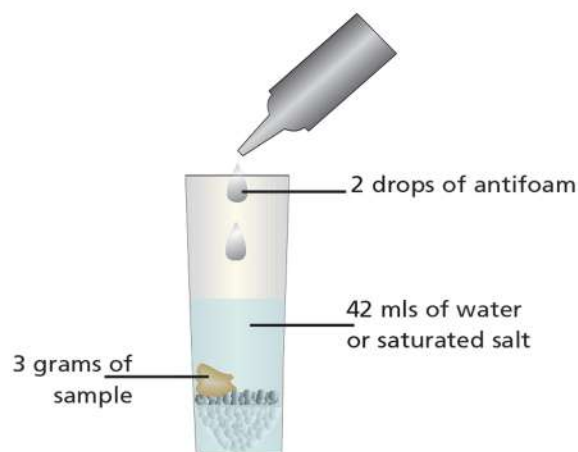
## Procedure

### Step 1.

To the mixing tube add the following as supplied:

- One level scoop of plastic granules
- Two drops of antifoam
- 3 grams of sample
- 42mls of de-ionised water (for Improved Modified McMaster method) or 42mls of saturated salt (for Modified McMaster method)

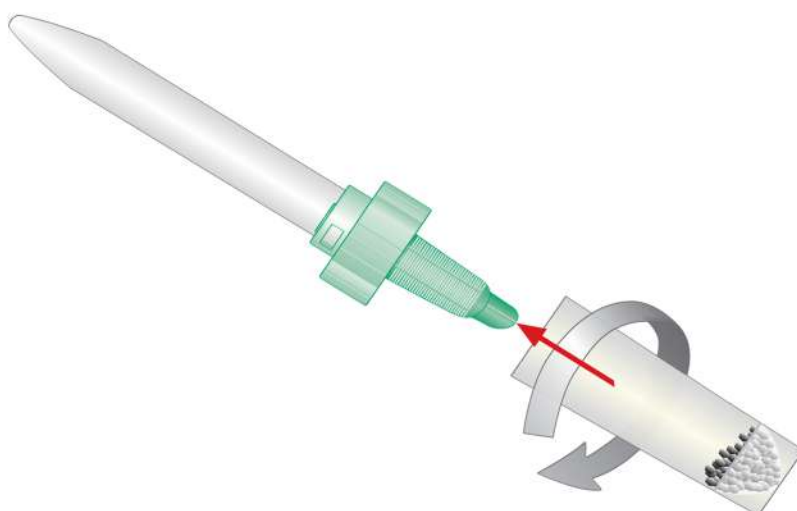
Cap the tube and shake for 30 seconds or until the faecal matter is broken down.



### Step 2.

Screw the green filter onto the 15ml tube, then screw this assembly onto the mixing tube containing the sample suspension, shake well in a horizontal position, then immediately invert the system so the thinner 15ml tube is pointing downwards.

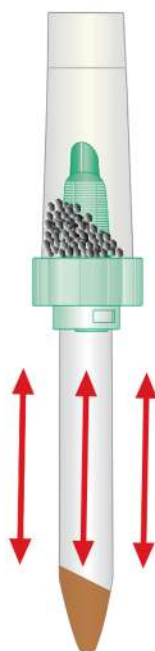
**Note: The mixing tube should be inverted 6 times before assembly to ensure even sample distribution.**



### Step 3.

#### Improved Modified McMaster

Shake vertically until the thinner tube has filled to the 15ml level. Discard the mixing tube and filter assembly, then centrifuge the 15ml filtrate at 450g for 90 seconds. Pour off the supernatant and re-suspend pellet in 15ml of saturated salt solution. Cap the tube and invert 6 times so that the air bubble is seen to run the length of the tube each time, then immediately pipette a sample into the first chamber of the McMaster slide. Repeat this inversion process and then pipette a second sample into the second chamber of the McMaster slide.



### Step 3.

#### Modified McMaster

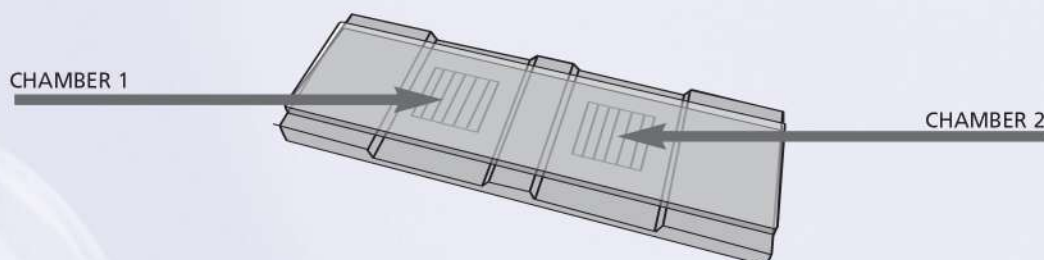
Shake vertically until the thinner tube has filled to the 5ml level. Discard the mixing tube and filter assembly, then cap the tube and invert 6 times so that the air bubble is seen to run the length of the tube each time, then immediately pipette a sample into the first chamber of the McMaster slide. Repeat this inversion process and then pipette a second sample into the second chamber of the McMaster slide.

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## Step 4.

### Counting the eggs

1. Add the count from the first chamber, to the count from the second chamber, divide by two to form an average.
2. Multiply this average by 100 to give you Eggs Per Gram (EPG) of Faeces.



$$\text{Eggs / g of Faeces (EPG)} = \frac{(\text{Chamber A} + \text{Chamber B}) \times 100}{2}$$

### How to order:

Fax Order to: 01204 669034

Telephone Customer Services: 01204 669033 (Option 1)

Product	Pack Size	Code
Veterinary Parasep Faecal Filters	30	WD0059
McMaster Chamber	1	WD0406
Centrifuge - Clinispin horizon 642E (inc 6-Place fixed angle rotor, 6 x 15ml black, 6 x 10ml red and 6 x 5ml green tube carriers)	1	WD4000A
Optika DM20 Biological Digital Microscope	1	WD0524

To view the complete range of Specialist Laboratory Equipment / Analysers, Diagnostic Kits and Critical Care products please visit [www.woodleyequipment.com/ukvet](http://www.woodleyequipment.com/ukvet)

**Woodley Equipment Company Limited is the exclusive distributor of Veterinary Parasep Faecal Filters in the UK and Ireland on behalf of DiaSys Ltd.**

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