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## Sample Preparation Dilumat 3 MkII Gravimetric Diluter



A range of equipment  
designed to streamline  
sample preparation – giving  
microbiologists the  
necessary time to assess  
results rather than record  
sample weights

The importance of sample preparation in the microbiology laboratory is often overlooked. Traditionally, preparing samples is a laborious task involving the weighing of samples and diluent prior to blending. In these days of increasing documentation, the recording of all these weights is very time-consuming which in turn, impacts on the throughput of samples.

The Dilumat3 MkII gravimetric diluter standardises the dilution of solid and liquid samples in blending bags prior to homogenisation. Diluent can also be added to flasks, bottles or to the bowl of a Waring Blender.

It is designed to fulfil the requirements of regulatory authorities, giving both accuracy and traceability of results, as well as offering real time savings for the busy microbiology laboratory.

The Dilumat 3 MkII is microprocessor controlled and has a load cell and either one or two pumps for dilution and/or pouring. It is user friendly and displays, on an LCD screen, parameters such as sample weight, dilution factor and programme menus.

[www.dwscientific.co.uk](http://www.dwscientific.co.uk)

## Standard Features

User friendly  
Microprocessor controlled  
Splash-proof design  
Easy to clean  
Stops automatically when diluent runs out

## Options

**So1709** Additional pump head (including 2 tubing sets)  
**So2085** Megatron Star printer for narrow printouts  
**So1708** Epson 80-column printer  
**So1713** Load cell top pan for bottles and bowls

## Accessories

**So1859** Labels for Epson printer (24 sheets of 250 labels)  
**So1778** Labels for Megatron Star printer (1,200 labels)  
**So1710** Complete tubing set  
**So1743** Bag holder to hold 1 bag (complete assembly)  
**So1732** Bag holder to hold 1 bag (holder only)  
**So1741** Rack to hold 10 bags  
**So1156** 2 litre reservoir  
**So1157** 5 litre reservoir  
**So1779** Puradisc filter 0.2 $\mu$  (single)  
**So0388** Adhesive pads for bags (pack of 42)  
**So1843** Pre-cut pump tubing (pack of 5)  
**So1729** Silicone tubing (per metre)  
**Bo0199** Bag closing clip (pack of 50)  
**So1740** Flexible belt for tubing

## Specification

Order Code: So1698  
Instrument Size (mm): 410 x 410 x 410 (w x d x h) – bag holder attached  
Instrument Weight: 11kg  
Packaged Size (mm): 500 x 500 x 350 (w x d x h) – bag holder not attached  
Packaged Weight: 16kg  
Power supply: 230V - 50/60Hz  $\pm$  10%  
Operating temperature: 5 to 40°C  
Dilution time: 20 seconds for 225ml  
Minimum sample weight: 3g (range can be extended)  
Maximum weight: 1,500g  
Automatic tare: 0 to 1,000g  
Dilution factor: 1/2 to 1/50  
Accuracy: <0.1g of sample weight. 0.5% of total weight up to 1,500g

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