


BagFilter®

Filter bags for lab blenders

BagFilter® Handbook N°2154 GB 



*Sterile filter bags
for sample blenders*



*Sample
preparation
for microbiological
analysis*

and detection kits

interscience

Preparation of filtrates for microbiological analysis

Why use BagFilter® ?

BagPage® or BagFilter® mesh filter bags are used to dilute, blend and automatically filter a solid sample prior to its microbiological or chemical analysis.

To do this, place the sample and diluting fluid in a sterile BagPage® or BagFilter® filter bag, then put the filled bag in a BagMixer® sample blender, the use of which is recommended by the ISO 6887-1983 and NF V 08-010 standards.

The sample in the filter bag is then crushed and homogenized by the alternating movement of the blender's paddles. Filtration is automatic. The filtrate taken from behind the filter is free of debris and fibers, withheld by the filter, but with no bacterial retention.

The single-use, sterile filter bags allow a reduction of analysis time in complete security. All outside or cross-contamination is impossible. No cleaning is required.

Using filter bags for solid sample preparation is the safest and most economical method.

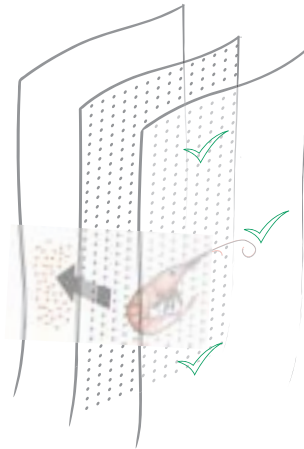


Fig. 1 Filtering diagram



Fig. 2 BagMixer® and BagFilter®

How to use BagFilter® ?

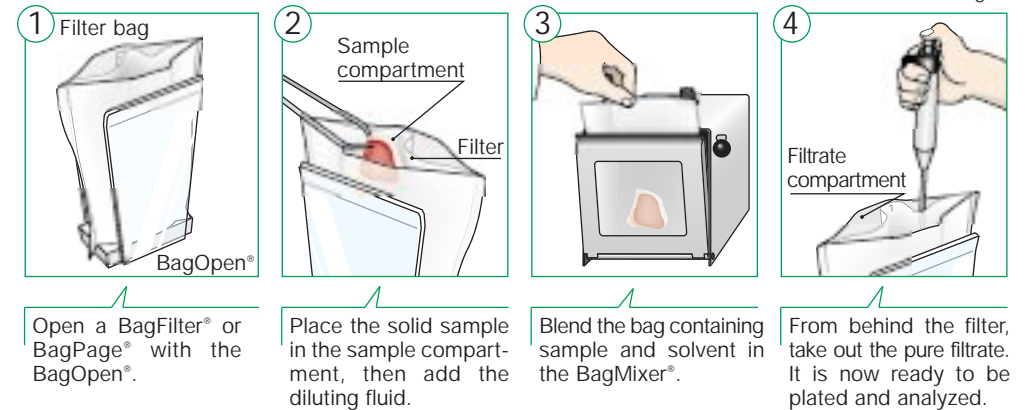


Fig. 3

Which bag for which application ?

interscience proposes different models and sizes of bags fitted with different types of filter : How to choose ?

Solidity The BagFilter® filter bag line is made from a highly robust, reinforced, multilayer plastic film. All our BagPage® and BagFilter® are made to the universal standard and can be used with all models of BagMixer®/Stomacher™-type paddle blender.

Models Using BagPage® and BagFilter®, you can prepare any kind of solid sample. In certain cases, the full-width membrane filter of BagPage® may be more appropriate for sticky products, the non-woven side filter of BagFilter® P or S may be preferred for food control, particularly for fibrous samples.

Depending on the sample to be processed, the user may find one model more convenient than another.

Size Sample size and blender volume determine bag size. The bacteriological analysis of foodstuffs (raw or cooked meat, fish, fruit and vegetables...) often requires average size bags (400 ml).

Analysis of biopsies, pharmaceutical products or BSE detection tests, for example, generally need small volume bags (80 or 100 ml). Finally, certain industrial applications, agro-food (*Listeria*, *Trichinella*...), chemical, textiles, environmental... demand large volume bags (3500 ml or more).

Sterile bags with side filter

BagFilter®, made from a robust, food-compatible, multilayer film, is fitted with a non-woven side filter.

During blending, the flora extracted from the sample passes through the filter and, consequently, the sample taken from behind the filter is entirely free of residual particles.

BagFilter® exists in two models : "P" for pipeting (fig. 5) and "S" for pouring, as an extra retaining weld holds back the particles (fig. 6).

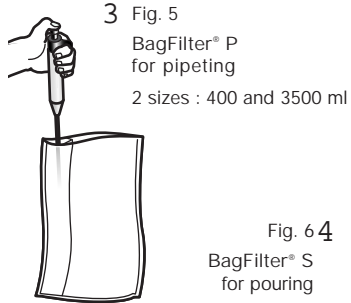
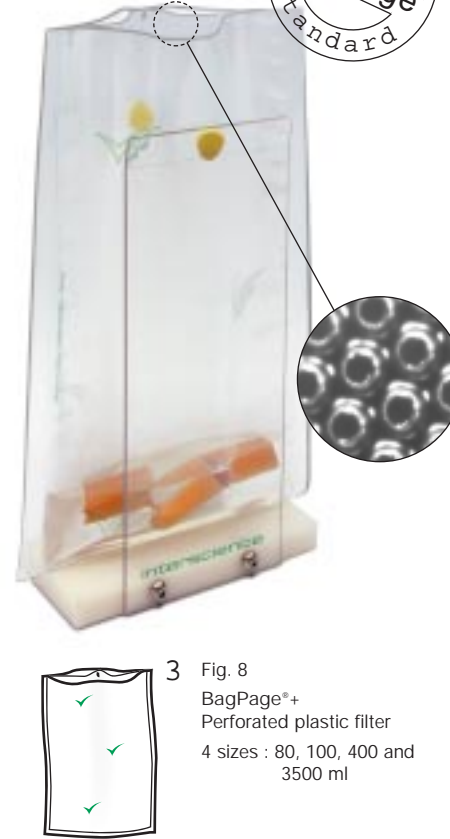


Fig. 4 BagFilter®
Non-woven filter
Zoom image x 60



Fig. 7 BagPage®+
Perforated filter
Zoom image x 60



Sterile bags with full-surface filter

BagPage® is made from the same robust multilayer film and is fitted with a full-width filter.

The large filtering surface of its calibrated membrane filter enables BagPage® to provide excellent results even with sticky products such as cheese, chocolate, flour, pastries...

BagPage®+ has two compartments separated by a filter : one side is marked to identify the sample compartment, the other is pinched by an extra weld for error-free pipeting (interscience patent).

Small samples - Large series
For small samples in large quantities, the robustness of our filter bags together with a simple patented adjustment of the BagMixer® allow the blending of several bags at the same time in complete security.

Analysis time-saving, security and work comfort, access to modern analysis methods : all essential reasons for using **BagFilter®** filter bags.

BagFilter® P exists in two sizes, 400 and 3500 ml. BagFilter® S exists in 400 ml.

Nominal volume :	400 ml	3500 ml
Useful volume :	50 - 250 / 300 ml	0.2 - 1.3 l
Sterile by :	25 or 10	10, folded in 2
Bag size :	19 x 30 cm	38 x 51 cm
Box of :	500 bags (20 x 25 or 50 x 10) & 5,000 bags (10 x 500)	100 bags (10 x 10)
Box size :	35.5 x 25 x 21 cm	112 x 52 x 37 cm
Weight / Vol. :	5.7 kg / 0.02 m ³	60 kg / 0.22 m ³



BagPage®, BagPage®+ exist in four sizes.

Nominal volume :	80 ml	100 ml	400 ml	3500 ml
Useful volume :	5 / 40 ml	5 / 50 ml	50 - 250 / 300 ml	0.2 - 1.3 l
Sterile by :	25	25	25 or 10	10, folded in 2
Bag size :	9.5 x 16 cm	9.5 x 18 cm	19 x 30 cm	38 x 51 cm
Box of :	500 bags (20 x 25) & 10,000 bags (20 x 500)	500 bags (20 x 25 or 50 x 10) & 5,000 bags (10 x 500)	100 bags (10 x 10)	100 bags (10 x 10)
Box size :	34 x 21.5 x 12 cm	112 x 53 x 35 cm	34 x 21.5 x 24 cm	112 x 53 x 35 cm
Weight / Vol. :	2 kg / 0.01 m ³	42 kg / 0.21 m ³	6 kg / 0.02 m ³	63 kg / 0.21 m ³

The useful volume (depending on the sample) generally allows blending at any speed for a long period. At maximum liquid volume, the bag may be excessively pounded by the blender's paddles. In this case, blending speed may be reduced. The BagMixer's mobile paddle block can also be advanced or pulled back to allow the blending of several filter bags simultaneously (interscience patent).

BagFilter® Special

Special filter bags

interscience is the only company in the world to manufacture in its own factories both sample blenders and filter bags. Our research has led us to achieve an optimal complementarity between our filter bags and BagMixer® blenders.

interscience may, for large quantities, produce filter bags specially adapted to your applications (ex. : detection kits, calibrated separations, sterile medical bags...).

We are constantly creating new bags and making continual research in this field. The many patents we register facilitate the adaptation of our filter bags to new applications.

Please consult us.

BagFilter®, BagPage® and BagLight® are gamma sterilized.
A red pastille is placed on each box.
A sterilization certificate is sent with each delivery.



BagLight®

Plain blender bag

BagLight® is a sterile bag used for products not requiring filtration. Made from PolySilk®, it is remarkably resistant and can be deep-frozen.

When closed with a BagClip®, it allows you to transport samples. BagLight® can also be used for the processing and elimination of used products : after processing, weld the bag with the BagSeal® heat-sealing unit.

An excellent price-quality ratio, BagLight® is the ideal complement of BagPage® and BagFilter®.



Fig. 9 BagLight®

BagLight® exists in three sizes.

Nominal volume :	100 ml	400 ml	3500 ml
Useful volume :	5 / 50 ml	50 - 250 / 300 ml	0.2 - 1.3 l
Sterile by :	25	25 or 50	25 folded in 2
Bag size :	11 x 18.5 cm	17.5 x 29 cm	38 x 51 cm
Box of :	500 bags (20 x 25)	1,000 bags(2 x 500)	500 bags (20 x 25)
Box size :	34 x 21.5 x 12 cm	35 x 21 x 21 cm	40 x 40 x 20 cm
Weight / Vol. :	1.8 kg / 0.01 m ³	8 kg / 0.02 m ³	14 kg / 0.03 m ³

BagTools®

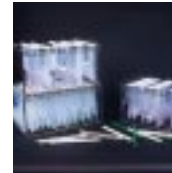
Accessories

Essential accessories for BagFilter® filter bags



BagOpen® : Bag opener and holder. BagOpen® is indispensable throughout the analysis

3 models for 80 /100, 400 and 3500 ml size bags.



BagRack® and BagClip® : BagRack® allows storage of 11 to 12 bags closed with a BagClip® closing clip.

3 models for 80 /100, 400 and 3500 ml size bags.



BagPipet® and BagTips® : BagPipet® pipets with sterile BagTips® straws fixed volumes of 0.1, 0.9 or 1 ml.

2 models of BagTips® : Regular 19 cm and Jumbo 24 cm.



PetriPile® : Stackable storage racks for stacking 36 Petri dishes. No risk of accident while loading the incubator.

3 models for plates 55, 65 and 90 mm diameter.



BagSeal® : Heat-sealing unit to ensure a wide and clean weld of all types of blender bags (with or without filter).

2 models for bags of 80 - 400 ml and bags of 3500 ml.

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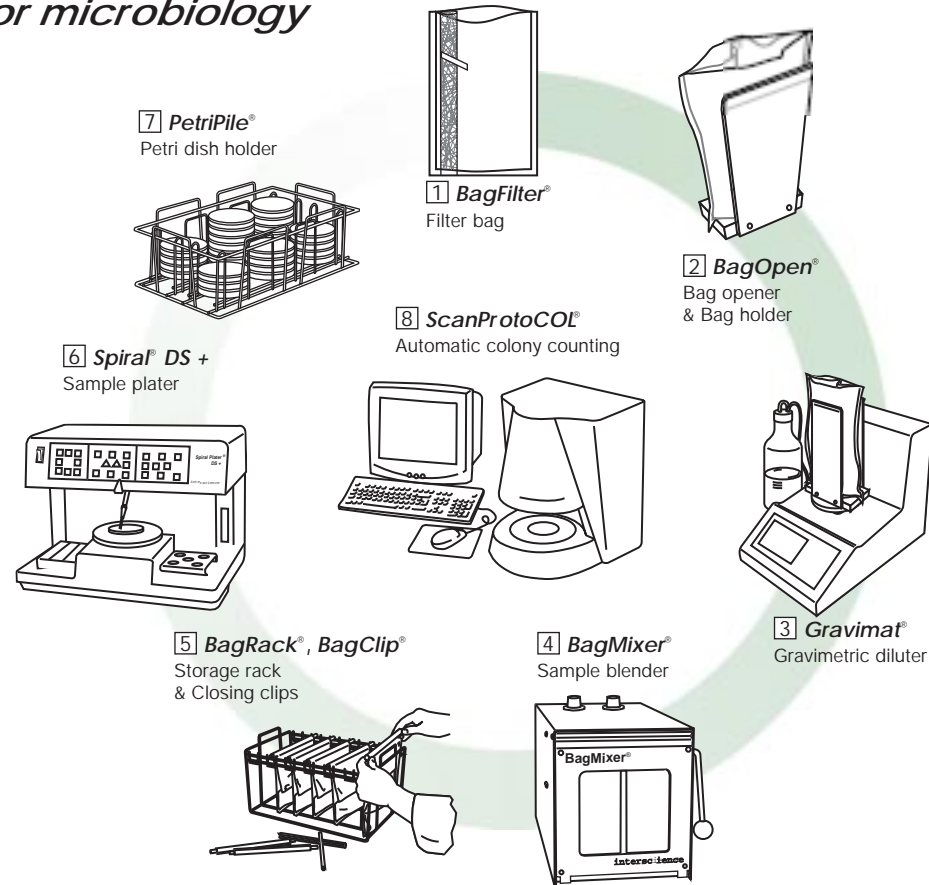
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A complete range of modern tools for microbiology



Place your sample in a sterile **1** BagFilter® mesh filter bag pinched and held open by **2** BagOpen®. Dilute with **3** Gravimat®, then blend with **4** BagMixer®. The bag can be closed by a BagClip® and stored on the **5** BagRack®. Plate with **6** Spiral® DS + and hold the Petri dishes in the **7** PetriPile®, before putting them in an incubator. Finally, count the bacterial colonies with **8** ScanProtoCOL®.

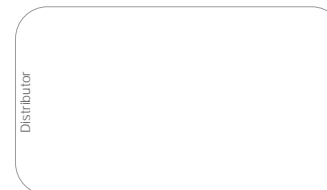
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- Spiral® plater BagSystem® BagFilter® filter bags others
 Gravimat® diluter BagMixer® blenders BagTools® accessories

Name
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30, ch. du Bois des Arpents 78860 St Nom - France
 Tel. : +33 (0)1 34 62 62 61 Fax : +33 (0)1 34 62 43 03
 e-mail : info@interscience.fr web : www.interscience.fr



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