

BioSart® 100 Monitors



Description

BioSart®100 Monitors have been specifically designed for microbiological testing of pharmaceuticals, cosmetics, water and other liquids. BioSart 100 is an easy to handle, 100 ml disposable monitor, individually sterile packaged, with a 47 mm diameter membrane and pad. It is a ready to use filter unit designed to be placed onto the base of a vacuum manifold.

Applications

Colony count is the quantitative determination of microorganisms present in a sample. The quantity can represent either the total bioburden or the detection and quantification of specific microorganisms. The counts are expressed in colony-forming units per 1 ml sample volume (CFU/ml).

BioSart monitors are used for colony counting by using five simple steps.

1. Pour the sample into the monitor.
2. Perform the filtration step.
3. Pour the media broth from the top.
4. Remove the 100 ml funnel to convert the Monitor into a Petri dish.
5. Incubate the Petri dish and evaluate results.

Performance

BioSart 100 provides the following benefits which will increase laboratory efficiency:

- Ensures recovery as each lot is certified for microbiological analysis to provide added assurance.
- Disposable units saves time by eliminating the cleaning and sterilization required with reusable systems.
- Ready to use and pre-sterilized by gamma irradiation eliminates the potential for toxic extractables associated with EtO gas sterilization.
- Individually packaged preventing cross contamination of samples.
- Easy and accurate sample measurements, with a capacity of 100 ml and increments of 10 ml graduations.

Versatility

BioSart 100 ensures identification of all colonies. BioSart 100 Monitors are available with three different types of membrane for ease of identification.

Specifications

Materials

Membrane:	Cellulose Nitrate
Pad:	Cellulose
Housing:	Polystyrene
Adapter:	Polyethylene

Filter Diameter

47 mm

Pore Size

0.2 µm or 0.45 µm

Filtration Area

14.5 cm²

Capacity

100 ml (graduated in 10 ml increments)

Compatibility

pH 3.5-8, weak alcohols

Operating Parameters

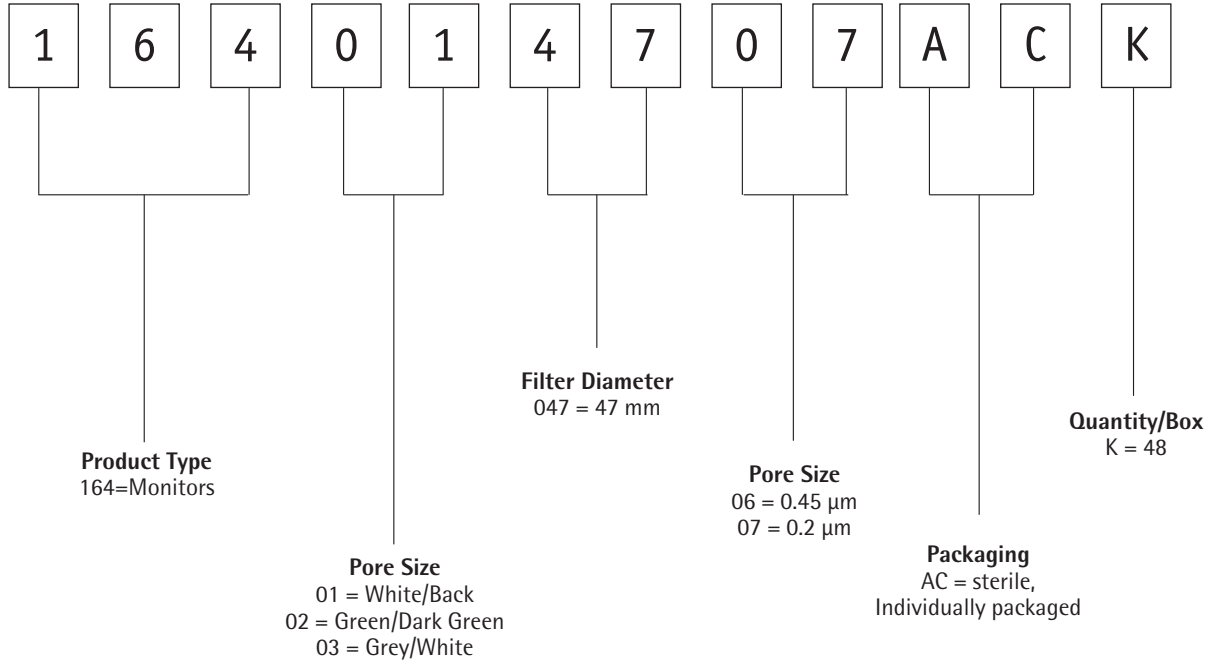
Max. Operating Press.	Vacuum only, 80 °C
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Sterilization

Gamma Irradiation

Colony Counting

Ordering Guide



Ordering information

Accessories

	Material	Content
16414	BioSart®100 Adapter for stainless steel manifold	
16841	Single base	
16842	3-branch CombiSart stainless steel manifold	
16843	6-branch CombiSart stainless steel manifold	
16840	Stainless steel base support	
16400-02----CA-K	Caso Broth, acc to USP	2.5 ml
16400-02----CE-K	Cetrimide Broth, acc to USP	2.5 ml
16400-02----EN-K	M-Endo	2.5 ml
16400-02----MG-K	M-Green Broth	2.5 ml
16400-02----OS-K	Orange Serum Broth	2.5 ml
16400-02----RA-K	R2A Broth	2.5 ml
16400-02----SB-K	Sabouraud Broth	2.5 ml
16400-02----TC-K	Total Count Broth	2.5 ml
16400-02----TT-K	Tergitol TTC Broth	2.5 ml
16400-02----KF-K	KF-Streph Broth	2.5 ml
16400-02----MF-K	MF-C Broth	2.5 ml
16400-02----LS-K	Laurylsulfate Broth	2.5 ml
16400-02----WL-K	Wallerstein Broth	2.5 ml

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