



Biosart® 100 Nutrient Media

Microbiological Nutrient Media for Filtration Units

Colony Count



Some of the advantages you will benefit from when using Biosart® 100 Media:

- Presterilized media
- Certificate of Quality for every batch
- In compliance with international standards
- Consistently recovery

Economical

- Ready-to-use
- Long shelf life

The membrane filtration method is the suitable technique for microbiological analysis of pharmaceuticals, water, cosmetics, foods and beverages.

The use of ready-to-use disposable units is optimal for these applications. The membrane filtration method is worldwide accepted and complies with International Standards.

Description

Biosart® 100 Monitors have been specifically designed for the detection and enumeration of microorganisms in pharmaceuticals, cosmetics, food, beverages, water and other liquids. These sterile disposables with an incorporated membrane filter and cellulose pad are ready to use. After filtration, just remove the 100 ml funnel to convert the Monitor into a petri dish eliminating the need for membrane manipulation.

Biosart® 100 Nutrient Media

Each box of Biosart® 100 Nutrient Media contains 50 ampoules with sterile media, each with 2.5 ml and a lot certificate. The media comply with international regulations and recommendations: International pharmacopoeias, DIN and ISO standards, the American Standards for Water and Foods, mineral water regulations, guidelines of the food and beverage industries.

Product Improvement

Biosart® 100 Nutrient Media are subject to continuous product improvement as part of our product development program to align our products with changing application requirements. For current specifications and lot release criteria please visit our homepage under: www.sartorius-stedim.com/BiosartMediaSearch.

Ordering Information

Detection target	Media Type	Order No.	pH	Shelf Life (months)	Monitor Type ¹	Test Strains ²
Counting of total colony forming units						
Total count	Caso	16400-02----CA-K	7.3	12	2	01, 03, 05, 09, 18, 22, 25, 26
Total count	R2A	16400-02----RA-K	7.2	12	2	01, 03, 05, 09, 18, 22, 26
Total count	Total Count TGE	16400-02----TC-K	7.0	12	2	09, 18, 26
Total count	Total Count TTC	16400-02----TZ-K	7.0	12	2	03, 07, 09, 18, 26
E. coli and coliforms, Enterobacteria						
E. coli and coliforms	m Endo	16400-02----EN-K	7.2	9	1	06, 07, 09, 21, 25, 28
E. coli and coliforms	m FC	16400-02----MF-K	7.4	12	1	06, 07, 09, 11, 21
E. coli and coliforms	Teepol Lauryl Sulphate	16400-02----LS-K	6.8	9	1	06, 07, 09, 11, 21
E. coli and coliforms	Tergitol TTC	16400-02----TT-K	7.2	9	1	06, 07, 09, 11, 21
Other faecal bacteria						
Enterococci	Azide KF Strep	16400-02----KF-K	7.2	9	2	07, 08, 09, 22, 26
Non-faecal, pathogenic bacteria						
Pseudomonas aeruginosa	Cetrimide	16400-02----CE-K	7.2	12	1	04, 09, 21, 22, 26, 30
Yeasts and molds						
Yeasts and molds	m Green	16400-02----MG-K	4.6	12	1	03, 05, 20, 23, 24
Yeasts and molds	m Green Selective	16400-02----GS-K	4.6	12	3	03, 05, 09, 20, 23, 24
Yeasts and molds	Sabouraud	16400-02----SB-K	5.6	12	3	01, 05, 20, 23, 24
Yeasts and molds	Wallerstein WL Nutrient	16400-02----WN-K	5.5	12	1	05, 12, 19, 20, 23
Yeasts and molds	Wort	16400-02----WZ-K	4.4	12	3	05, 20, 23, 24
Product-spoiling microorganisms						
Acid-tolerant microorganisms	Orange Serum	16400-02----OS-K	5.5	12	2	02, 05, 13, 14, 20, 23, 24
Bacteria in fermentation processes	Wallerstein Differential	16400-02----WL-K	5.5	12	1	05, 12, 20, 29

1) The recommended Biosart® 100 Monitor Types are selected for optimum recovery of microorganisms on the corresponding nutrient media:

- 1) 16401: white membrane filter with black grid
- 2) 16402: green membrane filter with dark green grid
- 3) 16403: gray (after wetting black) membrane filter with white grid

2) Test Strains [ATCC No.], [DSM No.]

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| <ol style="list-style-type: none"> 01. Aspergillus brasiliensis 16404, 1988 02. Bacillus cereus 11778, 345 03. Bacillus subtilis subsp. spizizenii 6633, 347 04. Brevundimonas diminuta 19146, 1635 05. Candida albicans 10231, 1386 06. Enterobacter aerogenes 13048, 30053 07. Enterococcus faecalis 29212, 2570 08. Enterococcus faecium 19434, 20477 09. Escherichia coli 8739, 1576 10. Geobacillus stearothermophilus 7953, 5934 11. Klebsiella pneumoniae 13883, 30104 12. Lactobacillus lindneri DSM 20690 13. Lactobacillus plantarum subsp. plantarum 14917, 20174 14. Leuconostoc mesenteroides subsp. mesenteroides 8293, 20343 | <ol style="list-style-type: none"> 15. Oenococcus oeni 23279, 20252 17. Raw cane sugar solution (10%) 18. Tap water 19. Pediococcus damnosus 29358, 20331 20. Penicillium commune 10428, 2211 21. Proteus mirabilis 29906, 4479 22. Pseudomonas aeruginosa 9027, 1128 23. Rhodotorula mucilaginosa DSM 70403 24. Saccharomyces cerevisiae 9763, 1333 25. Salmonella enterica subsp. enterica serotype typhimurium 14028, 19587 26. Staphylococcus aureus subsp. aureus 6538, 799 27. Staphylococcus epidermidis 12228, 1798 28. Escherichia coli 25922, 1103 29. Lactobacillus brevis 14869, 20054 30. Pseudomonas aeruginosa 27853, 1117 |
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