



Nutrient Pad Sets Application Note.

Sartorius Nutrient Pad Sets

Sartorius Nutrient Pad Sets are absorbent pads that have been impregnated with a nutrient medium, dehydrated and sterilized. They are ready to use immediately once they have been reactivated by wetting them with 3.5 ml of sterile demineralized or distilled water. Available in a variety of types of culture media, Nutrient Pad Sets come with the appropriate membrane filters to ensure optimum retention and colony growth. You can choose between 47 and 50 mm membrane filter diameters. Our standard box contains 100 sterile Nutrient Pads, each preplated in a petri dish (bags of 10 each) and sterile, individually packaged membrane filters. The types and order numbers are listed in the table below.

Advantages of Nutrient Pad Sets:

- **Cost effectiveness**
They eliminate time-consuming and labor-intensive preparation of culture media, sterilization, cleaning, etc.
- **Easy to use**
Nutrient Pad Sets can also be used in laboratories which do not have extensive microbiological equipment.
- **Consistent quality**
Production under GMP-conditions and extensive quality control ensure reproducible results.
- **Trouble-free storage**
Their shelf life is between 9 and 24 months depending on the type, when stored at room temperature in a dark and dry place.



The photo shows different types of Nutrient Pad Sets.

Order Numbers for Nutrient Pad Sets

Type of Nutrient Pad Set	Order No.	Detection Determination of	Type of Membrane Filter Supplied (Pore Size, Color Grid Color)
Azide	14051	Enterococci	13806 (0.45 µm, green green)
Bismuth-Sulfite	14057	Salmonellae	13806 (0.45 µm, green green)
Caso (Tryptic Soy)	14063	Colony count	13806 (0.45 µm, green green)
Cetrimide	14075	Pseudomonas aeruginosa	13906 (0.45 µm, white green)
Chapman	14074	Staphylococcus aureus	13906 (0.45 µm, white green)
Chromocult	14087	E. coli and coliforms	11406 (0.45 µm, white black)
ECD	14082	Escherichia coli	13906 (0.45 µm, white green)
Endo	14053	E. coli and coliforms	13906 (0.45 µm, white green)
Glucose-Tryptone	14066	Mesophilic bacteria and thermophilic spore formers	13906 (0.45 µm, white green)
Jus de Tomates (Tomato Juice)	14079	Leuconostoc oenos	13806 (0.45 µm, green green)
Lysin	14061	Wild yeasts	13005 (0.65 µm, grey white)
MacConkey	14097	Enterobacteria	13906 (0.45 µm, white green)
Malt Extract	14086	Yeasts and molds	13004 (0.8 µm, white green)
MFC	14068	E. coli and coliforms	13906 (0.45 µm, white green)
Orange Serum	14062	Acid-tolerant microbes	13806 (0.45 µm, green green)
Orange Serum (pH 3.2)	14096	Acid-tolerant microbes	13004 (0.45 µm, grey white)
R2A	14084	Colony Count	13806 (0.45 µm, green green)
Sabouraud	14069	Yeasts and molds	13005 (0.65 µm, gray white)
Schaufus-Pottinger	14070	Yeasts and molds	13905 (0.65 µm, white green)
Schaufus-Pottinger	14072	Yeasts and molds	13903 (1.2 µm, white green)
Schaufus-Pottinger	14080	Yeasts and molds	13004 (0.8 µm, gray white)
Schaufus-Pottinger	14083	Yeasts and molds	13005 (0.65 µm, gray white)
Standard	14064	Colony count	13806 (0.45 µm, green green)
Standard TTC	14055	Colony count	13806 (0.45 µm, green green)
Standard TTC modified plate count	14085	Colony count	13806 (0.45 µm, green green)
Teepol (Laurylsulphate)	14067	E. coli and coliforms	13906 (0.45 µm, white green)
Tergitol TTC	14056	E. coli and coliforms	13906 (0.45 µm, white green)
VLB-S7-S	14059	Pediococci and lactobacilli	13906 (0.45 µm, white green)
Weman	14065	Slime formers (Leuconostoc)	13806 (0.45 µm, green green)
Wort	14058	Yeasts and molds	13005 (0.65 µm, gray white)
Wort (pH 4.4)	14078	Yeasts and molds	13005 (0.65 µm, gray white)
Yeast extract	14090	Colony count	13806 (0.45 µm, green green)

To order the diameter of the membrane filters, add -047 or -050 to the order number.
 The package size is ordered by the ident letter N (100 pieces).
 For example: 14051-047 N contains filter diameter 47 mm and package size 100 pieces.

Main Application Areas for Sartorius Nutrient Pad Sets

Detection of	Recommended types of Nutrient Pads	Drinking water, bottled botable water	Rinse water, process water	Soft drinks	Beer	Wine, juices	Liquid sugar, crystal sugar, candy	Foods	Pharmaceuticals, cosmetics
Colony count	Standard TTC	■	■				■	■	
	Standard Caso	■	■					■	
	Glucose-Trypt. R2A	■	■				■	■	■
	Yeast extract	■	■						■
	Standard TTC modified plate count	■		■	■	■		■	
E. coli and coliforms	Chromocult	■	■	■			■	■	■
	Endo	■	■	■			■	■	■
	Tergitol	■	■	■			■	■	
	MFC	■	■	■				■	
	Teepol (*)	■	■	■				■	
	MacConkey ECD	■	■	■				■	■
Fecal Streptococci	Azide	■	■	■			■	■	■
Salmonellae	Bismuth-Sulfite	■	■					■	■
Pseudomonas aeruginosa	Cetrimide	■	■	■				■	■
Staphylococcus aureus	Chapman	■	■	■				■	■
Lactic acid bacteria	Orange-Serum VLB-S7-S Tomato Juice			■	■	■	■	■	
Mesophilic slimeformers Leuconostoc	Weman			■			■		
Acetic acid bacteria	Orange serum or Wort, wetted with 5-8% ethanol					■		■	
Thermophilic spore formers	Glucose-Tryptone Standard TTC						■	■	
Wild yeasts	Lysine				■				
Yeast and molds	Wort	■	■	■	■	■	■	■	
	Schaufus-Pottinger			■					
	Sabouraud								■
	Malt extract	■		■	■	■	■	■	

* Laurylsulphate

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