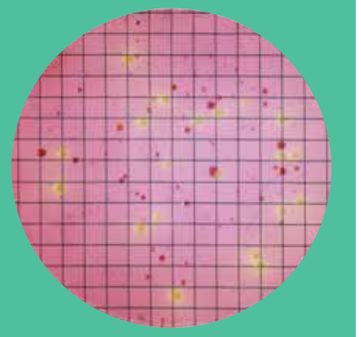
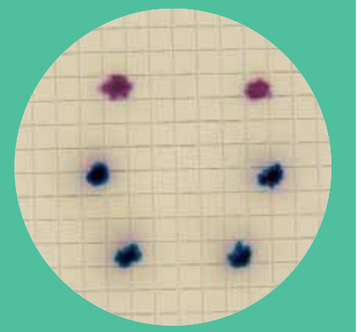
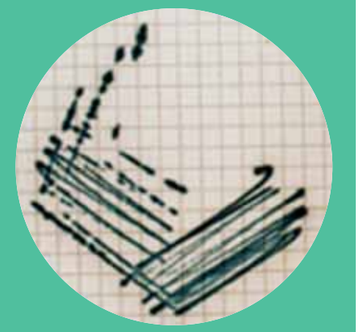
OTHER PRODUCTS FROM M&S







Microbiological Working Place - Basic Equipment for Membrane Filtration
(Order No. 6040...)

The single units comprise a self sealing vacuum filter holder made of stainless steel of either 50 mm or 80 mm in diameter, an 1 l suction flask with silicone plug, a Woulff's bottle including a manometer, dial display, ventilation valve and an efficient mini vacuum pump with vacuum tubing.

The filter holders are equipped with sintered steel frits, maintenance-free and adjustable teflon taps. The filter funnels (with lids) will contain 100 or 500 ml. The suction flask as well as the Woulff's bottle have a safety coating made of PVC. The vacuum pump is manufactured for continual use and may also generate compressed air. Any part of the equipment may be obtained separately.

The M&S Three-Place Filtration Unit *(Order No. 6090)*

Three-place filtration unit with vacuum filter holders made of stainless steel, 50 mm diameter, self sealing. The filter holder are connected via a gliding socket to the filter holder and therefore easy to remove. A combination of filter holder of 50 mm and 80 mm diameter is possible. Due to its small dimension the filter holder is especially suitable for working in safety workbenches.

Also available from M&S:
Ready-to-use Nutrient Media in Polycarbonate Bottles and Glass Tubes
Different agars and liquid media packaged for immediate use either in autoclavable polycarbonate bottles or glass tubes. Pack size 4 x 250 ml bottles or 25 x 20 ml tubes.

Ready-to-use Nutrient Media - Drinking Water Kit
Complete range of nutrient media for each micro-biological investigation in compliance with the regulations of the EU drinking water directives.

Ready-to-use Nutrient Media - Mineral Water Kit
Complete range of nutrient media for each micro-biological investigation in compliance with the regulations of the EU mineral and table waterdirectives.

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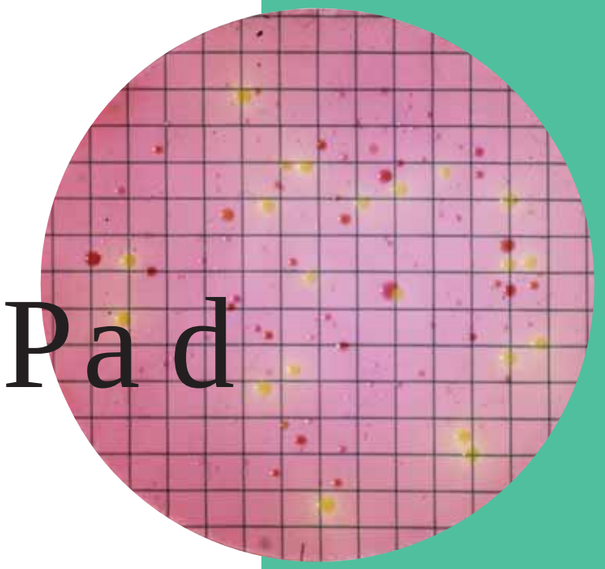
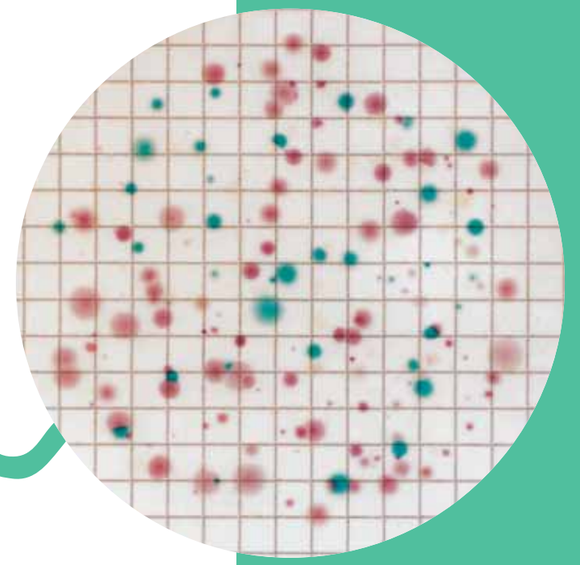
Nutrient Pad Sets





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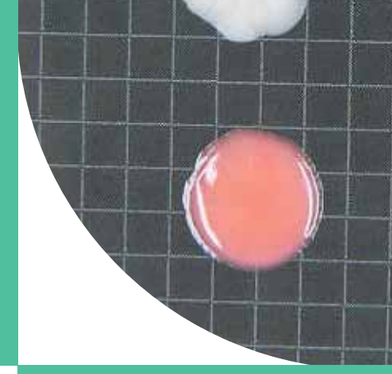
NUTRIENT PAD SETS



NUTRIENT PAD SETS

Nutrient Pad Sets (NPS) are sterile, dehydrated culture media, ready for immediate use after addition of water. Shelf life of the sealed original package is at room temperature one year at least. Nutrient Pads (NPs) are obligatory used in combination with membrane filters and the membrane filtration technique.

The pads are made of biologically inert cellulose cardboard that does not bind the nutrient medium chemically or physically. Growth of microorganisms can therefore develop freely. Thus better and faster growth is achieved as compared to conventional agar culture media.

Package units:

• 5 x 10 NPS in Petri dishes with sterile, individually packed membrane filters, 50 mm diameter

• 25 x 2 NPS in polyethylene bags with sterile, individually packed membrane filters, 50 mm diameter

• 10 x 2 NPS with membrane filters in polyethylene bags, 80 mm diameter

Product List

Medium	Notes
Actinomycetes-NPS *Order No. 1005*	Actinomycetes in soil, water, food and other samples
Azide-NPS *Order No. 1010*	Selective for fecal streptococci in water, food and other samples
Beer-NPS *Order No. 1020*	Selective for beer-spoiling microbes (e.g. Lactobacillus, Pediococcus, Zymomonas)
Caso-NPS *Order No. 1030*	For colony count and detection of fastidious or sublethally damaged microorganisms in pharmaceuticals, cosmetics and other products
Cetrimide-NPS *Order No. 1040*	Selective for Pseudomonas aeruginosa in water, pharmaceuticals, cosmetics and other samples
Chapman-NPS *Order No. 1050*	Selective for pathogenic staphylococci in food, pharmaceuticals, cosmetics and clinical samples
China Blue-Lactose-NPS *Order No. 1060*	For colony count and determination of acidic and non-acidic producers from milk and dairy products
Colichrom-NPS *Order No. 1035*	Selective for rapid quantitativ detection of E.coli and coliform bacteria by optical differentiation within 24 hours
Dextrose-Tryptone-NPS *Order No. 1070*	For colony count determinations of mesophilic bacteria and detection of thermophilic spore-formers in sugar and food
ECD-MUG-NPS *Order No. 1080*	Direct detection of E.coli within 24 h in water, food and other samples
Endo-NPS *Order No. 1090*	Selective for E.coli and coliform bacteria in water, food and other samples
Enterococcus-NPS *Order No. 1091*	Selective for Enterococci (fecal Streptococci) from water (ISO 7899)
Lactose-TTC-Tergitol NPS *Order No. 1092*	Selective for E.coli and coliform bacteria in water (ISO 9308-1)
Lysine-NPS *Order No. 1095*	Selective for beer-spoiling „wild yeasts“ in breweries
MacConkey-NPS *Order No. 1098*	Differential diagnosis and detection of E.coli, coliform bacteria and lactose-negative salmonelles and shigelles in water, food and clinical samples
M-FC-NPS *Order no. 1100*	Selective for E.coli and fecal coliforms in water, food and other samples
MRS-NPS *Order No. 1110*	Selective for lactobacilli in food and other samples
OGY-NPS *Order No. 1115*	Selective for yeasts and moulds in food and clinical or pharmaceuticals samples
Orange Serum-NPS *Order No. 1120*	Selective for acidophilic and acidotolerant microbes in beverages and food
Osmophil-NPS *Order No. 1130*	Selective for osmophilic and osmotolerant yeasts and moulds in sugar, sweets and sugarized food
Plate Count-NPS *Order No. 1140*	For colony count determinations of water, milk, food and other samples
Pseudomonas CN-NPS *Order No. 1145*	Selective detection of Pseudomonas aeruginosa from water (ISO 12780)
Resuscitation-NPS *without membrane filters* *Order No. 1150*	Detection of sublethally damaged enteric bacteria, pseudomonas staphylococci by preincubation followed by main incubation with selective media
Sabouraud-NPS *Order No. 1160*	Detection of yeasts and moulds in pharmaceuticals, cosmetics, packaging material, for isolation and culture of dermatophytes
Schaedler-NPS *Order No. 1170*	Colony count determinations and detection of fastidious aerobic and anaerobic microorganisms in clinical and pharmaceutical material and cosmetics
Schaufus-Pottinger-NPS *Order No. 1180*	Selective for yeasts and moulds in beverages and sugar
Standard-NPS *Order No. 1190*	Colony count determinations in water and waste water, for pure cultures and as base medium for further additions to the demineralized water (serum, antibiotics,etc.) when wetting the pad
Standard TTC-NPS *Order No. 1200*	Standard-NPS modified by addition of triphenyltetrazoliumchloride (TTC)
Teepol-NPS *Order No. 1210*	Selective for detection of E.coli and fecal coliforms in water, food and other samples
Tergitol TTC-NPS *Order No. 1220*	Selective for detection of E.coli and coliform bacteria in water, food and other samples
VRBD-NPS *Order No. 1225*	Selective detection and enumeration of Enterobacteriaceae in food, water and beverages
Weman-NPS *Order No. 1240*	Selective for slime-forming bacteria in sugar, beverages and food
Wine-NPS *Order No. 1230*	Selective for detection of winespoiling microbes (Leuconostoc, Lactobacillus and Pediococcus)
Bismuth-Sulfite-NPS *Order No. 1250*	Selective for detection of Salmonella in water, food and clinical samples
Wort-NPS *Order-No. 1260*	Selective for detection of yeasts and moulds in beverages, food and other samples

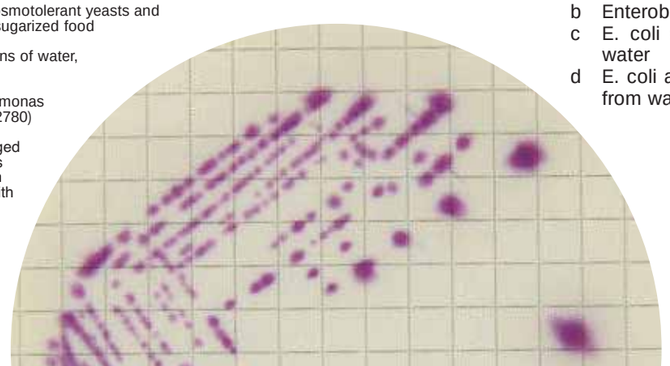
Colichrom-NPS (Order No. 1035)

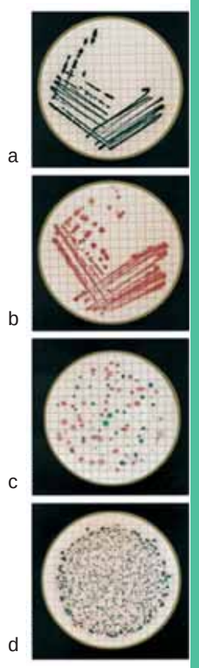
Selective culture medium for the rapid quantitative detection of E. coli and coliform bacteria by visual differentiation of colonies within 24 h. E. coli form blue and coliform bacteria red colonies. Colonies of possibly accompanying Gram-negative bacteria are colorless and will not be evaluated. Growth of Gram-positive bacteria will be inhibited reliably.

Colichrom-NPS is an optimal nutrition medium that makes it possible to detect E. coli and coliforms with high selectivity simultaneously. Using the microcolony method detectable colonies can be distinguished already after 10-12 hours since the colonies both are colored right from their start of growth. In routine monitoring further diagnostic tests are not required.

Images:

a E. coli smear culture (blue)
b Enterobacter aerogenes smear culture (red)
c E. coli and coliforms; mixed culture from river water
d E. coli and coliforms; high density mixed culture from waste water





a
b
c
d

Instructions for use:
All equipment must be sterile. The standard methods of microbiological procedures should be observed.

1.a. *NPS in Petri dishes:* Open pack of ten and remove Petri dish containing the nutrient pad.

b. *NPS in bags:* Open bag of two and place the nutrient pad with tweezers into a sterile Petri dish.

2. Add sterile, distilled or demineralized water to the nutrient pad in the Petri dish.

a. 3-3,5 ml for NPS of 50 mm diameter.

b. 7-8 ml for NPS of 80 mm diameter.
Moisture level is optimal when an excess of liquid is clearly visible

3. Remove membrane filter with tweezers, the protective disc on top. Place the membrane on the frit of the filter holder, discrad the protective disc and put on the filter funnel.

4. Filter sample. Rinse with sterile water or peptone water and remove excess liquid carefully from the filter by extended suction.

5. Remove membrane filter and place on nutrient pad without air bubbles. Incubate Petri dish with lid facing upwards.

Note: The stainless steel filter holders can be prepared for immediate re-use by flaming the frit and the top of the filter holder. After completion of a series of tests wash the filter holder thoroughly and sterilize in an autoclave or a sterilization oven.

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