

MICROBIOLOGY

DEHYDRATED CULTURE MEDIA
& SUPPLEMENTS



With a wide variety of first-class products, CHEMSOLUTE® offers you the perfect choice for your special needs in microbiology

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Please check the best-before date on the product package before storage. The date refers to the shelf life of unopened packages when stored as indicated on the label.



GENERAL INSTRUCTIONS

STORAGE OF DEHYDRATED MEDIA

Be aware that dehydrated media are highly hygroscopic, light-sensitive and heat-sensitive. They must be stored at a temperature of 4–30 °C, larger temperature fluctuations and direct sunlight are to be avoided. Close an open package thoroughly to prevent moisture from getting in.

PREPARATION OF THE MEDIA

Follow the instructions on the respective label or the technical data sheet. The safety data sheet contains information on possible hazards.

Place a quantity of medium powder, measured according to the manufacturing instructions (weight tolerance max. 1%), in a clean, sterile and undamaged vessel with at least twice the final volume to allow thorough mixing.

Add a portion of the required amount of distilled water and stir to dissolve the medium. Then add the remaining water from the sides of the container to wash out possible powder remains. Agar-containing media must be brought to the boil carefully and stirred to dissolve the agar before sterilization.

The medium should preferably be sterilized on the day of manufacture.

Unless otherwise stated, the pH of the medium does not need to be adjusted and will be within the specified pH range after sterilization. Measure at 25 °C. Especially with older media batches, the pH should be checked after autoclaving. The pH can change considerably as a result of autoclaving.

STERILIZATION

Please follow the instructions on the respective label or technical data sheet. Observe the general laboratory practice for using autoclaves. Avoid autoclaving the medium longer than necessary or at a higher temperature.

SUPPLEMENTATION

Supplements should be stored according to the instructions and reconstituted if necessary. Follow the instructions on the packaging.

Before adding heat-sensitive supplements, the medium should be cooled down to 50 °C. The supplement should be warmed up to room temperature before addition. Mix quickly and thoroughly before distributing the medium into the final containers.

**DEHYDRATED
CULTURE MEDIA**





BAIRD PARKER AGAR (BASE)

Solid selective culture medium for the screening of Staphylococci from a variety of samples according to Pharmacopeial Harmonized Methods, ISO and DIN standards.

Formulation (g/l):

Trytone	10.0
Sodium pyruvate	10.0
Glycine	12.0
Meat extract	5.0
Lithium chloride	5.0
Yeast extract	1.0
Agar	17.0

Directions:

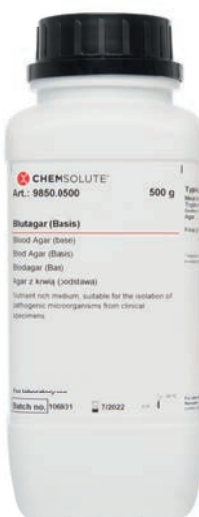
Suspend 60 g of powder in 950 ml of distilled water.

Supplement:

Egg Yolk Tellurite Emulsion 20% (Art. no. 9557)

Final pH (25 °C) 7.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9869.0500
2 kg	Plastic container	9869.2000
5 kg	Plastic container	9869.5000



BLOOD AGAR (BASE)

Solid nutrient rich medium suitable for the isolation of pathogenic microorganisms from clinical specimens.

Formulation (g/l):

Meat extract	10.00
Trytone	10.00
Sodium chloride	5.00
Agar	15.00

Directions:

Suspend 40 g of powder in 950 ml of distilled water.

Final pH (25 °C) 7.3 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9850.0500



BRAIN HEART INFUSION BROTH (BHI BROTH)

Liquid nutrient rich medium suitable for the isolation of pathogenic microorganisms from clinical specimens.

Formulation (g/l):

Brain extract	12.5
Heart extract	5.0
Peptone	10.0
D(+)-Glucose	2.0
Sodium chloride	5.0
Disodium phosphate	2.5

Directions:

Dissolve 37 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.4 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9264.0500

BRILLIANT GREEN BILE BROTH

Liquid medium used for the detection of coliforms in water according to APHA and ISO standards.

Formulation (g/l):		Directions:
Bile	20.000	Suspend 40 g of powder in 1 l of distilled water.
Lactose	10.000	
Peptone	10.000	
Brilliant green	0.013	

Final pH (25 °C) 7.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9835.0500



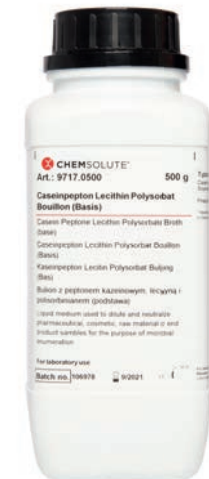
CASEIN PEPTONE LECITHIN POLYSORBATE BROTH (BASE)

Liquid medium used to dilute and neutralize pharmaceutical, cosmetic, raw material or end product samples for the purpose of microbial enumeration.

Formulation (g/l):		Directions:
Casein peptone	20.00	Suspend 25 g of powder in 960 ml of distilled water.
Soy lecithin	5.00	

Final pH (25 °C) 7.3 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9717.0500



CETRIMIDE AGAR PH. EUR.

Solid culture medium for the selective isolation of *Pseudomonas aeruginosa* according to Pharmacopeial Harmonized Methods and ISO standards.

Formulation (g/l):		Directions:
Gelatin peptone	20.00	Suspend 45.3 g of powder in 1 l of distilled water.
Magnesium chloride	1.40	
Potassium sulphate	10.00	Supplement: Glycerol
Cetyltrimethylammonium bromide	0.30	
Agar	13.60	

Final pH (25 °C) 7.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9783.0500
2 kg	Plastic container	9783.2000
5 kg	Plastic container	9783.5000



All dehydrated culture media are also available in the package sizes of 2 kg, 5 kg and 10 kg. Please do not hesitate to contact us at sales@thgeyer.de



COLUMBIA AGAR PH. EUR.

Highly nutritious general purpose medium used for the isolation and cultivation of fastidious and nonfastidious microorganisms from clinical and non-clinical materials according to Pharmacopeial Harmonized Methods.

Formulation (g/l):

Casein peptone	10.00
Meat peptone	5.00
Heart peptone	3.00
Yeast extract	5.00
Maize starch	1.00
Sodium chloride	5.00
Agar	15.00

Directions:

Suspend 44 g of powder in 1 l of distilled water.

Final pH 7.3 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9770.0500
2 kg	Plastic container	9770.2000
5 kg	Plastic container	9770.5000



DEV NUTRIENT AGAR

Solid general purpose medium according to German regulation for food and water samples.

Formulation (g/l):

Meat extract	10.00
Meat peptone	10.00
Sodium chloride	5.00
Agar	18.00

Directions:

Suspend 43 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.3 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9643.0500
2 kg	Plastic container	9643.2000
5 kg	Plastic container	9643.5000

DG 18 AGAR (DICHLORAN GLYCEROL CHLORAMPHENICOL AGAR) (BASE)

Solid differential and low water activity medium used for the determination of xerophilic fungi in low moisture food and indoor according to ISO standard 16000-17:2008.

Formulation (g/l):

Peptone	5.000
D(+)-Glucose	10.000
Potassium dihydrogenphosphate	1.000
Magnesium sulphate heptahydrate	0.500
Dichloran	0.002
Chloramphenicol	0.100
Agar	15.000

Directions:

Suspend 31.7 g of powder in 1 l of distilled water.

Supplement:

Glycerol

Final pH (25 °C) 5.6 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9685.0500



DRBC AGAR (DICHLORAN ROSE BENGAL CHLORAMPHENICOL AGAR)

Selective medium for the enumeration of moulds and yeasts in foodstu, according to ISO 21527-1.

Formulation (g/l):

Mycological peptone	5.000
D(+)-Glucose	10.000
Potassium dihydrogenphosphate	1.000
Magnesium sulphate	0.500
Dichloran	0.002
Rose bengal	0.025
Chloramphenicol	0.100
Agar	15.000

Directions:

Suspend 31.6 g of powder in 1 l of distilled water.

Final pH (25 °C) 5.6 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9677.0500





ENTEROBACTERIACEAE ENRICHMENT BROTH MOSSEL (EE BROTH)

Liquid culture medium used for the enrichment of enterobacteria according to Pharmacopeial Harmonized Methods and ISO 21528-1.

Formulation (g/l):

Gelatin peptone	10.000
D(+)-Glucose	5.000
Ox bile	20.000
Disodium phosphate dihydrate	8.000
Potassium dihydrogenphosphate	2.000
Brilliant green	0.0135

Directions:

Suspend 45 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9571.0500



FRASER BROTH (BASE)

Liquid culture medium for the enrichment and detection of *Listeria spp.*

Formulation (g/l):

Soy peptone	5.000
Tryptone	5.000
Meat extract	5.000
Yeast extract	5.000
Sodium chloride	20.000
Esculin	1.000
di-Sodium phosphate	9.600
Potassium dihydrogen phosphate	1.350
Lithium chloride	3.000

Directions:

Dissolve 49.25 g of powder in 1 l of distilled water.

Supplement:

Fraser Listeria Selective Supplement (Art. no. 9442)
Half Fraser Listeria Selective Supplement (Art. no. 9250)

Final pH (25 °C) 7.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9439.0500

KANAMYCIN AESCULIN AZIDE AGAR BASE (KAA AGAR)

Solid medium for confirmative detection and isolation of Lancefield's group D streptococci in food samples according to Mossel *et al.*

Formulation (g/l):		Directions:
Tryptone	20.00	Suspend 48 g of powder in 1 l of distilled water.
Yeast extract	5.00	
Sodium chloride	5.00	
Disodium citrate	1.00	
Esculin	1.00	
Ferric-ammonium citrate	0.50	
Sodium azide	0.15	
Kanamycin sulfate	0.02	
Agar	15.00	

Final pH (25 °C) 7.0 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8536.0500
2 kg	Plastic container	8536.2000



LACTOSE BROTH

Medium for pre-enrichment and detection of enterobacteria and coliforms in milk and water according to ISO 9308-2.

Formulation (g/l):		Directions:
Gelatin peptone	5.0	Suspend 13 g of powder in 1 l of distilled water.
Meat extract	3.0	
Lactose	5.0	

Final pH (25 °C) 6.9 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8620.0500



LACTOSE BROTH DEV

Liquid medium for For the enrichment and detection of coliforms in water according to German standard methods.

Formulation (g/l):		Directions:
Meat peptone	10.00	Dissolve 28 g of powder in 1 l of distilled water.
Meat extract	3.00	
Sodium chloride	5.00	
Lactose	10.00	
Bromocresol purple	0.02	

Final pH (25 °C) 7,2 ±0,2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8869.0500





LAURYL SULPHATE BROTH

Liquid medium used for the detection and enumeration of coliform bacteria according to IDF-FIL 73B and ISO standards.

Formulation (g/l):		Directions:
Tryptose	20.00	Dissolve 35.6 g of powder in 1 l of distilled water.
Sodium lauryl sulphate	0.10	
Lactose	5.00	
di-Potassium phosphate	2.75	
Potassium dihydrogen phosphate	2.75	
Sodium chloride	5.00	

Final pH (25 °C) 6.8 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8848.0500



LB AGAR ACC. TO LENNOX

Standard agar based on LB broth acc. to Lennox, with low salt content (5 g/l NaCl). Ideal for general purposes and especially for growing and maintaining recombinant *Escherichia coli* strains.

Formulation (g/l):		Directions:
Tryptone	10.0	Suspend 35 ^a g of powder in 1 l of distilled water.
Yeast extract	5.0	
Sodium chloride	5.0	
Agar	15.0	

Final pH (25 °C) 7.0 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8876.0500
2 kg	Plastic container	8876.2000
5 kg	Plastic container	8876.5000



LB AGAR ACC. TO MILLER

Standard agar based on LB broth acc. to Miller. Ideal for general purposes and especially for growing and maintaining *Escherichia coli* strains used in molecular microbiology procedures.

Formulation (g/l):		Directions:
Tryptone	10.0	Suspend 40 ^a g of powder in 1 l of distilled water.
Yeast extract	5.0	
Sodium chloride	10.0	
Agar	15.0	

Final pH (25 °C) 7.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8843.0500
2 kg	Plastic container	8843.2000
5 kg	Plastic container	8843.5000

LB BROTH ACC. TO LENNOX

Standard medium with low salt content (5 g/l NaCl), ideal for for general purposes and the cultivation of recombinant *Escherichia coli* strains.

Formulation (g/l):		Directions:
Tryptone	10.0	Suspend 20 ^a g of powder in 1 l of distilled water.
Yeast extract	5.0	
Sodium chloride	5.0	

Final pH (25 °C) 7.0 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8891.0500
2 kg	Plastic container	8891.2000
5 kg	Plastic container	8891.5000



LB BROTH ACC. TO MILLER

Standard medium for general purposes and especially for the cultivation of *Escherichia coli*, high-salt content (10 g/l NaCl).

Formulation (g/l):		Directions:
Tryptone	10.0	Suspend 25 ^a g of powder in 1 l of distilled water.
Yeast extract	5.0	
Sodium chloride	10.0	

Final pH (25 °C) 7.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8822.0500
2 kg	Plastic container	8822.2000
5 kg	Plastic container	8822.5000



LEGIONELLA BCYE AGAR (BASE)

Solid medium used for the detection, isolation and enumeration of *Legionella* from water according to ISO standard 11731:2017.

Formulation (g/l):		Directions:
Activated charcoal	2.00	Suspend 13.5 g of powder in 500 ml of distilled water.
Yeast extract	10.00	
Agar	15.00	

Final pH (25 °C) 6.8 ±0.2		Supplements:
		Legionella BCYE Growth Supplement (Art. no. 8861)
		Legionella GVPC Selective Supplement (Art. no. 8820)

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8811.0500
2 kg	Plastic container	8811.2000
5 kg	Plastic container	8811.5000



LISTERIA SELECTIVE AGAR BASE ACCORDING TO OTTAVIANI AND AGOSTI (ALOA) ISO

Medium for the isolation of *Listeria spp.* and the presumptive identification of *L. monocytogenes* acc. to ISO 11290-1 and 11290-2.



Formulation (g/l):

Meat peptone	18.00
Tryptone	6.000
Yeast extract	10.000
Sodium pyruvate	2.000
D(+)-Glucose	2.000
Magnesium glycerophosphate	1.000
Magnesium sulphate	0.500
Sodium chloride	5.000
Lithium chloride	10.000
Disodium phosphate anhydrous	2.500
5-Bromo-4-chloro-3-indolyl-β-D-glucopyranoside	0.050
Agar	12.000

Directions:

Suspend 33 g of powder in 476 ml of distilled water.
After sterilisation and cooling, add 1 vial of Listeria Enrichment supplement and 1 vial of Listeria Selective supplement.

Supplement:

Listeria Enrichment supplement (Art. no. 8815)
Listeria Selective supplement (Art. No. 8814)

Final pH (25 °C) 7.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8813.0500
2 kg	Plastic container	8813.2000
5 kg	Plastic container	8813.5000

MACCONKEY AGAR PH. EUR.

Solid selective and differential medium used in the detection, isolation and enumeration of *Salmonella* and coliforms in clinical specimens according to Pharmacopeial Harmonized Methods and in foodstu, specimens according to ISO 21150.



Formulation (g/l):

Pancreatic digest of gelatin	17.000
Meat peptone	1.500
Casein peptone	1.500
Lactose monohydrate	10.000
Bile salts	1.500
Sodium chloride	5.000
Neutral red	0.030
Crystal violet	0.001
Agar	15.000

Directions:

Suspend 51.5 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.1 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8796.0500
2 kg	Plastic container	8796.2000
5 kg	Plastic container	8796.5000

MACCONKEY BROTH PH. EUR.

Liquid medium for the detection and enumeration of coliforms according to Pharmacopeial Harmonized Methods.

Formulation (g/l):		Directions:
Pancreatic digest of gelatin	20.00	Dissolve 35 g of powder in 1 l of distilled water.
Lactose monohydrate	10.00	
Ox bile	5.00	
Bromocresol purple	0.01	

Final pH (25 °C) 7.3 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8753.0500



MALT EXTRACT AGAR

Solid medium for the isolation and enumeration of fungi.

Formulation (g/l):		Directions:
Malt extract	30,0	Suspend 48 g of powder in 1 l of distilled water.
Soy peptone	3,0	
Agar	15,0	

Final pH (25 °C) 5.6 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8287.0500
2 kg	Plastic container	8287.2000
5 kg	Plastic container	8287.5000



MALT EXTRACT BROTH

Liquid medium for the cultivation of yeasts and moulds.

Formulation (g/l):		Directions:
Malt extract	17.00	Dissolve 17 g of powder in 1 l of distilled water.

Final pH (25 °C) 4.8 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8764.0500



All dehydrated culture media are also available in the package sizes of 2 kg, 5 kg and 10 kg. Please do not hesitate to contact us at sales@thgeyer.de



MANNITOL SALT AGAR (CHAPMAN AGAR)

Solid selective medium for the isolation of pathogenic staphylococci according to Pharmacopoeial Harmonized Methods and ISO 22718.

Formulation (g/l):

Beef extract	1.000
Pancreatic digest of casein	5.000
Peptic digest of meat	5.000
Sodium chloride	75.000
D-Mannitol	10.000
Phenol red	0.025
Agar	15.000

Directions:

Suspend 111 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.4 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8743.0500



MAXIMUM RECOVERY DILUENT

Isotonic diluent for the maximal recovery of stressed microorganisms according to ISO standards.

Formulation (g/l):

Pancreatic digest of casein (Tryptone)	1.00
Sodium chloride	8.50

Directions:

Dissolve 9.5 g of powder in 1 L of distilled water and distribute into suitable containers.

pH final (25 °C) 7.0 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8485.0500
5 kg	Plastic container	8485.5000

MRS AGAR ISO

Solid medium for the culture of lactic acid bacteria according to deMan, Rogosa and Sharpe, modified according to ISO standards and IFU methods.

Formulation (g/l):

Enzymatic digest of casein	10.00
Meat extract	10.00
Yeast extract	4.00
D(+)-Glucose	20.00
Sodium acetate	5.00
tri-Ammonium citrate	2.00
Magnesium sulphate heptahydrate	0.20
Manganese sulphate tetrahydrate	0.05
di-Potassium phosphate	2.00
Polysorbate 80	1.08
Agar	14.00

Directions:

Suspend 68.3 g of powder in 1 l of distilled water.

Final pH (25 °C) 5.7 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8761.0500
2 kg	Plastic container	8761.2000
5 kg	Plastic container	8761.5000



MRS BROTH

Liquid culture medium for the isolation of lactobacilli according to deMan, Rogosa and Sharpe.

Formulation (g/l):

Peptone proteose	10.00
Meat extract	8.00
Yeast extract	4.00
D(+)-Glucose	20.00
Sodium acetate	5.00
tri-Ammonium citrate	2.00
Magnesium sulphate	0.20
Manganese sulphate	0.05
di-Potassium phosphate	2.00
Polysorbate 80	1.00

Directions:

Suspend 52 g of powder in 1 l of distilled water.

Final pH (25 °C) 6.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8733.0500
2 kg	Plastic container	8733.2000
5 kg	Plastic container	8733.5000





MYP AGAR (MANNITOL EGG YOLK POLYMYXIN AGAR) (BASE)

Selective solid medium according to Mossel for the isolation and identification of *Bacillus cereus* from food samples according to ISO 7932, and ISO 21871.

Formulation (g/l):

Peptone	10.000
Mannitol	10.000
Sodium chloride	10.000
Meat extract	1.000
Phenol red	0.025
Agar	15.000

Directions:

Suspend 46 g of powder in 900 ml of distilled water.

Supplement:

Egg Yolk Emulsion 20%
(Art. no. 9578)
Polymyxin B Selective Supplement
(Art. no. 8477)

Final pH (25 °C) 7.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8710.0500



NUTRIENT AGAR APHA, ISO

Solid culture medium for general purpose use according to ISO 6579-1, ISO 6785, ISO 10273, and APHA.

Formulation (g/l):

Peptone	5.00
Meat extract	3.00
Agar	15.00

Directions:

Suspend 23 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.0 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8657.0500



ORANGE SERUM AGAR

Solid medium for the culture of aciduric organisms especially those associated with the spoilage of citrus products and their derivatives.

Formulation (g/l):

Tryptone	10.00
Yeast extract	3.00
Orange serum	5.00
D(+)-Glucose	4.00
di-Potassium phosphate	3.00
Agar	17.00

Directions:

Suspend 42 g of powder in 1 l of distilled water.

Final pH (25 °C) 5.5 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8546.0500

OXFORD LISTERIA AGAR (BASE)

Solid selective and differential medium for the detection, enumeration and isolation of *Listeria spp.* according to ISO standards 11290-1 and 11290-2.

Formulation (g/l):

Tryptone	10.00
Lithium chloride	15.00
Proteose peptone	10.00
Sodium chloride	5.00
Yeast extract	3.00
Starch	1.00
Esculin	1.00
Ammonium iron(III) citrate	0.50
Agar	13.00

Directions:

Suspend 58.5 g of powder in 1 l of distilled water.

Supplement:

Oxford Agar Selective Supplement (Art. no. 9594)

Final pH (25 °C) 7.0 ±0.2



Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8519.0500

PALCAM LISTERIA AGAR (BASE)

Solid selective and differential medium for the detection, enumeration and isolation of *Listeria spp.* according to ISO standards 11290-1 and 11290-2.

Formulation (g/l):

Tryptone	23.00
Lithium chloride	15.00
Mannitol	10.00
Sodium chloride	5.00
Yeast extract	3.00
Starch	1.00
Esculin	0.80
Ammonium iron(III) citrate	0.50
D(+)-Glucose	0.50
Phenol red	0.08
Agar	13.00

Directions:

Suspend 72 g of powder in 1 l of distilled water.

Supplement:

Palcam Listeria Agar Selective Supplement (Art. no. 8439)

Final pH (25 °C) 7.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8429.0500
2 kg	Plastic container	8429.2000
5 kg	Plastic container	8429.5000



PEPTONE WATER, BUFFERED ISO

Liquid medium for the dilution and non-selective pre-enrichment from food samples.

Formulation (g/l):

Bacteriological peptone	10.00
Sodium chloride	5.00
di-Sodium hydrogen phosphate (anhydrous)	3.5*
Potassium phosphate	1.50

Directions:

Dissolve 20 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.0 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8449.0500
2 kg	Plastic container	8449.2000
5 kg	Plastic container	8449.5000

* Equivalent to 9.0 g of di-sodium hydrogen phosphate dodecahydrate

PEPTONE WATER, BUFFERED EUR. PHARM.

Diluent for the homogenization of samples for the microbiological examination according to the European Pharmacopeial Harmonised Method and ISO standards.

Formulation (g/l):

Peptone	1.00
Sodium chloride	4.30
Disodium phosphate (anhydrous)	5.77*
Potassium dihydrogen phosphate	3.60

Directions:

Dissolve 14,67 g of powder in 1 l of distilled water, heat if necessary. Add 1 to 10 mL of Polysorbate 80 or Polysorbate 20 depending on the type of food or product to be diluted.

Final pH 7.0 (25 °C) ±0.2

Supplement:

Tween® 20 (Art. no. 8022)
Polysorbate 80



Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8644.0500
2 kg	Plastic container	8644.2000
5 kg	Plastic container	8644.5000

* Equivalent to 7.23 g of disodium hydrogen phosphate dihydrate.

PLATE COUNT AGAR (PCA)

Medium for aerobic plate counts by the surface inoculation method according to ISO 4833, 8552 and 17410 and IFU No. 6.

Formulation (g/l):		Directions:
Casein peptone	5.0	Suspend 23.5 g of powder in 1 l
Yeast extract	2.5	of distilled water.
D(+)-Glucose	1.0	
Agar	15.0	

Final pH (25 °C) 7.0 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8425.0500
2 kg	Plastic container	8425.2000
5 kg	Plastic container	8425.5000



PLATE COUNT SKIM MILK AGAR (PCA)

Solid medium for the plate count of milk and dairy products according to DIN and FIL-IDF standards.

Formulation (g/l):		Directions:
Tryptone	5.00	Suspend 20 g of powder in 1 l
Yeast extract	2.50	of distilled water.
Skim milk	1.00	
D(+)-Glucose	1.00	
Agar	10.50	

Final pH (25 °C) 7.0 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8459.0500



POTATO DEXTROSE AGAR PH. EUR.

Solid culture medium for the detection and enumeration of yeast and moulds in foodstu, especially recommended for dairy products and other samples according to Pharmacopeial Harmonized Methods.

Formulation (g/l):		Directions:
Potato peptone	4.0*	Suspend 39 g of powder in 1 l
D(+)-Glucose (Dextrose)	20.0	of distilled water.
Agar	15.0	

Final pH (25 °C) 5.6 ±0.2

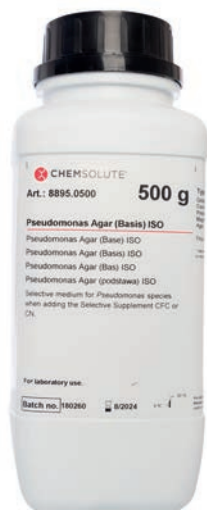
Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8992.0500



* Equivalent to 200 g infusion from potatoes

PSEUDOMONAS AGAR (BASE) ISO

Selective medium for *Pseudomonas* species when adding the selective supplement CFC or CN.



Formulation (g/l):

Gelatine peptone	16.00
Casein peptone	10.00
Potassium sulfate	10.00
Magnesium chloride	1.40
Agar	14.00

Final pH (25 °C) 7.2 ±0.2

Directions:

Dissolve 51.4 g of powder in 1 l of distilled water with 10 ml Glycerol.

After sterilisation and cooling, add 2 flasks of either CFC or CN selective supplement.

Supplement:

CFC selective supplement (Art. no. 8897)

CN selective supplement (Art. no. 8898)

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8895.0500
2 kg	Plastic container	8895.2000
5 kg	Plastic container	8895.5000

R2A AGAR PH. EUR.

Solid medium for the enumeration of heterotrophic microorganisms in treated waters according to Pharmacopeial Harmonized Methods.



Formulation (g/l):

Proteose peptone	0.500
Casein hydrolysate (Tryptone)	0.500
Yeast extract	0.500
D(+)-Glucose	0.500
Starch	0.500
Sodium pyruvate	0.300
di-Potassium phosphate	0.300
Magnesium sulphate (anhydrous)	0.024
Agar	15.000

Final pH (25 °C) 7.2 ±0.2

Directions:

Suspend 18.1 g of powder in 1 l of distilled water.

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8267.0500
2 kg	Plastic container	8267.2000
5 kg	Plastic container	8267.5000

RAPPAPORT VASSILIADIS BROTH

Liquid medium for the selective enrichment of Salmonella in foodstu, and other samples, according to ISO 6579-1, and ISO 6785:2001 and FIL-IDF standards.

Formulation (g/l):		Directions:
Soy peptone	4.500	Suspend 26.8 g of powder in 1 l of distilled water.
Sodium chloride	7.200	
Potassium dihydrogen phosphate	1.260	
di-Potassium phosphate	0.180	
Magnesium chloride (anhydrous)	13.40	
Malachite green	0.036	

Final pH (25 °C) 5.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8229.0500



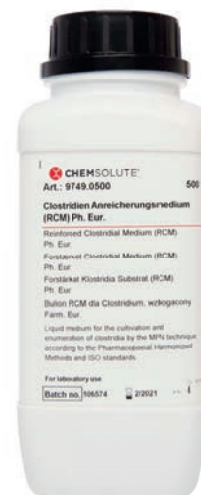
REINFORCED CLOSTRIDIAL MEDIUM (RCM) PH. EUR.

Liquid medium for the cultivation and enumeration of Clostridia by the MPN technique according to Pharmacopoeial Harmonized Methods and ISO 10705-4.

Formulation (g/l):		Directions:
Casein peptone	10.0	Suspend 38 g of powder in 1 l of distilled water.
Yeast extract	3.0	
Meat extract	10.0	
D(+)-Glucose	5.0	
Sodium chloride	5.0	
Sodium acetate	3.0	
Soluble starch	1.0	
Cysteine	0.5	
Agar	0.5	

Final pH (25 °C) 6.8 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9749.0500



SABOURAUD 4% DEXTROSE AGAR PH. EUR.

Solid medium for the cultivation and enumeration of yeast and fungi according to Pharmacopoeial Harmonized Methods and ISO 16212.

Formulation (g/l):		Directions:
D(+)-Glucose (Dextrose)	40.00	Suspend 65 g of powder in 1 l of distilled water.
Meat peptone	5.00	
Casein peptone	5.00	
Agar	15.00	

Final pH (25 °C) 5.6 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8135.0500





SABOURAUD 2% DEXTROSE BROTH PH. EUR.

Liquid medium for fungal isolation according to Pharmacopeial Harmonized Methods.

Formulation (g/l):

Casein peptone	5.0
Meat peptone	5.0
D(+)-Glucose (Dextrose)	20.0

Directions:

Dissolve 30 g of powder in 1 l of distilled water.

Final pH (25 °C) 5.6 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8159.0500



SLANETZ AND BARTLEY AGAR (BASE)

Solid differential and selective medium for the detection and enumeration of enterococci according to ISO 7899-2.

Formulation (g/l):

Tryptose	20.0
Yeast extract	5.0
D(+)-Glucose	2.0
di-Potassium phosphate	4.0
Sodium azide	0.4
Agar	12.0

Directions:

Suspend 43.4 g of powder in 1 l of distilled water.

Supplement:

TTC solution 1%, sterile (Art. no. 8055)

Final pH (25 °C) 7.2 ±0.1

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8174.0500
2 kg	Plastic container	8174.2000
5 kg	Plastic container	8174.5000



STANDARD 1 NUTRIENT AGAR

Solid medium for cultivation of fastidious bacteria.

Formulation (g/l):

Casein peptone	15.0
Yeast extract	3.0
Sodium chloride	6.0
D(+)-Glucose	1.0
Agar	15.0

Directions:

Suspend 40 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.5 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8152.0500

STANDARD 1 NUTRIENT BROTH

Liquid medium for cultivation of fastidious bacteria.

Formulation (g/l):		Directions:
Casein peptone	15.0	Suspend 25 g of powder in 1 l
Yeast extract	3.0	of distilled water.
Sodium chloride	6.0	
D(+)-Glucose	1.0	

Final pH (25 °C) 7.5 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8180.0500



TERRIFIC BROTH

Nutrient rich media for the cultivation of recombinant *Escherichia coli* strains, with Glycerol.

Formulation (g/l):		Directions:
Yeast extract	24.0	Dissolve 47.6 g of powder in 1 l
Tryptone	12.0	of distilled water.
di-Potassium phosphate	9.40	
Potassium dihydrogen phosphate	2.20	Supplement:
		Glycerol

Final pH (25 °C) 7.2 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8049.0500
2 kg	Plastic container	8049.2000
5 kg	Plastic container	8049.5000



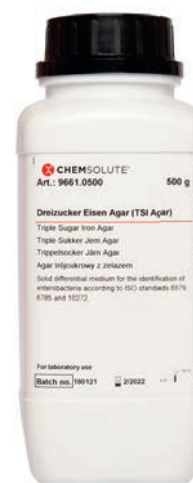
TRIPLE SUGAR IRON AGAR

Solid differential medium for the identification of enterobacteria according to ISO standards 6579, 6785 and 10272.

Formulation (g/l):		Directions:
Peptone	20.000	Suspend 64.6 g of powder in 1 l
Meat extract	3.000	of distilled water.
Yeast extract	3.000	
Lactose	10.000	
Sucrose	10.000	
D(+)-Glucose	1.000	
Sodium chloride	5.000	
Iron(III) citrate	0.300	
Sodium thiosulphate	0.300	
Phenol red	0.024	
Agar	12.000	

Final pH (25 °C) 7.4 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9661.0500





TRYPTIC SOY AGAR (TSA) PH. EUR.

General purpose medium containing animal and plant peptone according to Pharmacopoeial Harmonized Methods and ISO standards.

Formulation (g/l):

Casein peptone	15.0
Soy peptone	5.0
Sodium chloride	5.0
Agar	15.0

Directions:

Suspend 40 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.3 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9738.0500
2 kg	Plastic container	9738.2000
5 kg	Plastic container	9738.5000



TRYPTIC SOY AGAR (TSA) WITH POLYSORBATE 80 AND LECITHIN PH. EUR.

Solid medium for the sampling of surfaces of sanitary importance using the contact plate technique.

Formulation (g/l):

Tryptone	15.00
Soy peptone	5.00
Sodium chloride	5.00
Lecithin	0.70
Polysorbate 80	5.00
Agar	15.00

Directions:

Suspend 45.7 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.3 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9775.0500



TRYPTIC SOY BROTH (TSB) PH. EUR.

Liquid high nutrient medium for general purpose use according to Pharmacopoeial Harmonized Methods.

Formulation (g/l):

Casein peptone	17.0
Soy peptone	3.0
Sodium chloride	5.0
di-Potassium phosphate	2.5
D(+)-Glucose	2.5

Directions:

Dissolve 30 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.3 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9721.0500
2 kg	Plastic container	9721.2000
5 kg	Plastic container	9721.5000

TSC AGAR (TRYPTOSE SULPHITE CYCLOSERINE AGAR)

Solid medium for the isolation and differentiation of *Clostridium perfringens* according to ISO 7937, ISO 6461-2, ISO 14189 and other regulations.

Formulation (g/l):

Tryptone	15.00
Soy peptone	5.00
Yeast extract	5.00
Sodium disulphite	1.00
Ammonium iron(III) citrate	1.00
Agar	18.00

Final pH (25 °C) 7.6 ±0.2

Directions:

Suspend 45 g of powder in 1 l of distilled water.

Supplement:

D-Cycloserine Selective Supplement (Art. no. 9795)
 Egg Yolk Emulsion 20% (Art. no. 9578)
 Clostridium perfringens Supplement (Art. no. 9716)



Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8032.0500

VRB AGAR (VIOLET RED BILE LACTOSE AGAR)

Solid medium for the detection and enumeration of coliforms in milk and other dairy products according to APHA, ICMSF, FIL-IDF, ISO 5541-1, and ISO 4832:2006.

Formulation (g/l):

Yeast extract	3.000
Peptone	7.000
Bile salts No. 3	1.500
Lactose	10.000
Sodium chloride	5.000
Neutral red	0.030
Crystal violet	0.002
Agar	13.000

Final pH (25 °C) 7.4 ±0.2

Directions:

Suspend 39.5 g of powder in 1 l of distilled water.



Quantity	Packaging material	Art. no.
500 g	Plastic bottle	7883.0500



All dehydrated culture media are also available in the package sizes of 2 kg, 5 kg and 10 kg. Please do not hesitate to contact us at sales@thgeyer.de



VRBD AGAR (VIOLET RED BILE DEXTROSE AGAR) PH. EUR.

Selective solid medium for the enumeration of enterobacteria according to ISO 21528 and Pharmacopeial Harmonized Methods.

Formulation (g/l):

Yeast extract	3.000
Pancreatic digest of gelatin	7.000
Bile salts	1.500
D(+)-Glucose monohydrate (Dextrose)	10.000
Sodium chloride	5.000
Neutral red	0.030
Crystal violet	0.002
Agar	13.000

Directions:

Suspend 39.5 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.4 ±0.

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	7836.0500
2 kg	Plastic container	7836.2000
5 kg	Plastic container	7836.5000



WORT AGAR

Solid medium for the general cultivation of yeasts.

Formulation (g/l):

Malt extract	15.00
Casein peptone	0.75
Maltose	12.75
Dextrin	2.75
di-Potassium hydrogen phosphate	1.00
Ammonium chloride	1.00
Agar	17.00

Directions:

Suspend 50.25 g of powder in 1 l of distilled water.

Supplement:

Glycerol

Final pH (25 °C) 4.8 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	7772.0500
2 kg	Plastic container	7772.2000
5 kg	Plastic container	7772.5000

WORT BROTH

Liquid medium for the production of yeast suspensions.

Formulation (g/l):

Malt extract	15.00
Casein peptone	1.00
Maltose	12.50
Dextrin	2.50
Potassium dihydrogen phosphate	1.00
Ammonium chloride	1.00

Directions:

Suspend 33 g of powder in 1 l of distilled water.

Final pH (25 °C) 4.8 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	7759.0500
2 kg	Plastic container	7759.2000
5 kg	Plastic container	7759.5000



XLD AGAR (XYLOSE LYSINE DEOXYCHOLATE AGAR) ISO

Medium for the isolation of enteropathogenic species, especially Shigella and Salmonella in food and animal feeding stuff, according to ISO 6579-1, ISO 21567.

Formulation (g/l):

Xylose	3.750
L-Lysine	5.000
Lactose	7.500
Sucrose	7.500
Sodium chloride	5.000
Yeast extract	3.000
Phenol red	0.080
Sodium deoxycholate	1.000
Sodium thiosulphate	6.800
Ammonium iron(III) citrate	0.800
Agar	15.000

Directions:

Suspend 55.43 g of powder in 1 l of distilled water.

Final pH (25 °C) 7.4 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	7649.0500
2 kg	Plastic container	7649.2000



YGC AGAR (YEAST EXTRACT GLUCOSE CHLORAMPHENICOL AGAR)



Solid and selective medium for the isolation and enumeration of yeasts and moulds in milk and dairy products according to ISO standard 7954 and FIL-IDF 94B.

Formulation (g/l):

D(+)-Glucose	20.0
Yeast extract	5.0
Chloramphenicol	0.1
Agar	15.0

Directions:

Suspend 40^g of powder in 1 l of distilled water.

Final pH (25 °C) 6.6 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	7533.0500
2 kg	Plastic container	7533.2000
5 kg	Plastic container	7533.5000

2X YT AGAR



Solid nutrient medium for the cultivation of recombinant strains of *Escherichia coli* and for the growth of filamentous bacteriophages.

Formulation (g/l):

Tryptone	16.0
Yeast extract	10.0
Sodium chloride	5.0
Agar	15.0

Directions:

Suspend 46^g of powder in 1 l of distilled water.

Final pH (25 °C) 7.0 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	7581.0500
2 kg	Plastic container	7581.2000
5 kg	Plastic container	7581.5000

2X YT BROTH



Liquid nutrient medium for the cultivation of recombinant strains of *Escherichia coli* and for the growth of filamentous bacteriophages.

Formulation (g/l):

Tryptone	16.0
Yeast extract	10.0
Sodium chloride	5.0

Directions:

Suspend 31^g of powder in 1 l of distilled water.

Final pH (25 °C) 7.0 ±0.2

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	7548.0500
2 kg	Plastic container	7548.2000
5 kg	Plastic container	7548.5000



SUPPLEMENTS



CFC SELECTIVE SUPPLEMENT

Sterile selective supplement for the isolation of *Pseudomonas* spp. according to ISO 13720 und ISO 16266.

Formulation (g/vial):		Directions:
Cetrimide	0.005	Each vial is sufficient for 500 ml
Fucidin	0.005	(8897.0010) or 5 l (8897.5000) of
Cephalothin sodium salt	0.025	Pseudomas Agar base (Art. no. 8895).

Quantity	Packaging material	Art. no.
10 vials	Glass vial	8897.0010
1 vial	Glass vial	8897.5000



CLOSTRIDIUM PERFRINGENS SUPPLEMENT

Sterile selective supplement for isolation and presumptive identification of *Clostridium perfringens* by using fluorogenic substrates.

Formulation (g/vial):		Directions:
MUP (4-Methylumbelliferyl phosphate)	0.025	Each vial is sufficient for 250 ml
D-Cycloserine	0.100	of medium base (Art. no. 8032).

Quantity	Packaging material	Art. no.
10 vials	Glass vial	9716.0010

CN SELECTIVE SUPPLEMENT

Sterile selective supplement for the isolation of *Pseudomonas* spp. according to ISO 16266 and DIN/EN 12780.

Formulation (g/vial):		Directions:
Cetrimide	0.1000	Each vial is sufficient for 500 ml
Nalidixic acid, sodium salt	0.0075	of Pseudomas Agar base (Art. no. 8895).

Quantity	Packaging material	Art. no.
10 vials	Glass vial	8898.0010



D-CYCLOSERINE SELECTIVE SUPPLEMENT

Sterile selective supplement for the isolation and presumptive identification of *Clostridium perfringens* according to ISO standards and other regulations.

Formulation (g/vial):		Directions:
D-Cycloserine	0.100	Each vial is sufficient for 250 ml
		of medium base (Art. no. 8032).

Quantity	Packaging material	Art. no.
10 vials	Glass vial	9795.0010

EGG YOLK EMULSION 20%, STERILE

Sterile egg yolk emulsion for microbiological media according to ISO 7932:2004.

Formulation (ml/l):

Egg yolk	200 ml
Sterile water	800 ml

Quantity	Packaging material	Art. no.
100 ml	Plastic bottle	9578.0100
500 ml	Plastic bottle	9578.0500

**EGG YOLK TELLURITE EMULSION 20%, STERILE**

Sterile egg yolk emulsion with potassium tellurite for the preparation of Baird Parker Medium according to ISO 6888-1.

Formulation (g/l):

Egg yolk	200 ml
Potassium tellurite	2.10
Sodium chloride	4.25
Sterile water	800 ml

Quantity	Packaging material	Art. no.
50 ml	Plastic bottle	9557.0050
100 ml	Plastic bottle	9557.0100
500 ml	Plastic bottle	9557.0500

**FRASER LISTERIA SELECTIVE SUPPLEMENT**

Sterile selective supplement for the isolation of *Listeria* species.

Formulation (g/vial):

Sodium nalidixate	0.0100
Acridavine	0.0125
Ammonium iron(III) citrate	0.2500

Directions:

Each vial is sufficient for 500 ml of medium base (Art. no. 9439).

Quantity	Packaging material	Art. no.
10 vials	Glass vial	9442.0010

**GLYCEROL (PROPAN-1,2,3-TRIOL)**

General purpose reagent for microbiology and molecular biology according to Eur. Pharm.

Formulation (g/l):

Glycerol	1.0
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Quantity	Packaging material	Art. no.
100 ml	Plastic bottle	8110.0100



HALF FRASER LISTERIA SELECTIVE SUPPLEMENT

Sterile selective supplement for *Listeria* enrichment according to ISO 11290-1:2006.

Formulation (g/vial):		Directions:
Sodium nalidixate	0.0050	Each vial is sufficient for 500 ml of medium base (Art. no. 9439).
Acriflavine	0.0062	
Ammonium iron(III) citrate	0.2500	

Quantity	Packaging material	Art. no.
10 vials	Glass vial	9250.0010

LEGIONELLA BCYE GROWTH SUPPLEMENT

Growth supplement to complete the BCYE medium base.



Formulation (g/vial):		Directions:
ACES buffer	5.000	Each vial is sufficient for 500 ml of medium base (Art. no. 8811).
Potassium hydroxide	1.400	
Iron(III) pyrophosphate	0.125	Content: 5x freeze-dried supplement + 5x sterile solvent
Potassium α-ketoglutarate	0.500	
L-Cysteine hydrochloride	0.200	

Quantity	Packaging material	Art. no.
5 vials	Glass vial	8861.0005

LEGIONELLA GVPC SELECTIVE SUPPLEMENT

Sterile selective supplement for the isolation of *Legionella* species from water samples.



Formulation (g/vial):		Directions:
Glycine	1.5000	Each vial is sufficient for 500 ml of medium base (Art. no. 8811).
Vanomycin	0.0005	
Polymycin B sulphate	40000 IU	
Cycloheximide	0.0400	

Quantity	Packaging material	Art. no.
10 vials	Glass vial	8820.0010

LISTERIA ENRICHMENT SUPPLEMENT (ALOA)

Supplement that enhances the growth of *Listeria* spp.



Formulation (g/bottle):		Directions:
L-alpha-Phosphatidylinositol	1.00 g	Each vial is sufficient to supplement 500 ml (8815.0010) or 10 l (8815.9010) of medium Base (Art. no. 8813)
Sterile distilled water	24 ml	

Quantity	Packaging material	Art. no.
10 bottles	Glass bottle	8815.0010
480 ml	Plastic bottle	8815.9010

LISTERIA SELECTIVE SUPPLEMENT (ALOA)

Selective supplement for isolation and confirmation of *Listeria monocytogenes* formulated according to ISO 11290.

Formulation (g/vial):		Directions:
Polymyxin B	38350 IU	Each vial is sufficient to supplement 500 ml (8814.0010) or 10 l (8814.9010) of medium Base (Art. no. 8813)
Cycloheximide	0.025	
Ceftazidime	0.010	
Nalidixic acid	0.010	

Quantity	Packaging material	Art. no.
10 vials	Glass vial	8814.0010
1 vial	Glass vial	8814.9010



MUG (4-METHYLBELLIFERYL-β-D-GLUCURONIDE)

Sterile supplement for the detection of *Escherichia coli*.

Formulation (g/vial):		Directions:
4-Methylumbelliferyl-β-D-glucuronide	0.050	Each vial is sufficient for 500 ml of medium base.

Quantity	Packaging material	Art. no.
10 vials	Glass vial	8751.0010



OXFORD AGAR SELECTIVE SUPPLEMENT

Sterile selective supplement for the isolation of *Listeria* in food samples.

Formulation (g/vial):		Directions:
Cycloheximide	0.2000	Each vial is sufficient for 500 ml of medium base (Art. no. 8519).
Colistin sulphate	0.0100	
Acriflavine	0.0025	
Cefotetan	0.0010	
Phosphomycin sodium salt	0.0050	

Quantity	Packaging material	Art. no.
10 vials	Glass vial	9594.0010





PALCAM LISTERIA AGAR SELECTIVE SUPPLEMENT

Sterile selective supplement for the isolation of *Listeria ssp.*

Formulation (g/vial):

Polymyxin B	0.0050
Acriflavine	0.0025
Ceftazidime	0.0100

Directions:

Each vial is sufficient for 500 ml of medium base (Art. no. 8429).

Quantity	Packaging material	Art. no.
10 vials	Glass vial	8439.0010

POLYMYXIN B SELECTIVE SUPPLEMENT

Sterile selective supplement for the isolation of *Bacillus cereus* in food samples.

Formulation (IU/vial):

Polymyxin B sulphate	50000
Excipient	(sufficient amount)

Directions:

Each vial is sufficient to supplement 500 ml (8477.0010) or 5 l (8477.5000) of medium base (Art. no. 8710).



Quantity	Packaging material	Art. no.
10 vials	Glass vial	8477.0010
1 vial	Glass vial	8477.5000



TTC SOLUTION 1%, STERILE

Indicator, added to many microbiological culture media.

Formulation (g/l):

2,3,5-Triphenyl tetrazolium chloride	10.0
Sterile water	1000 ml

Quantity	Packaging material	Art. no.
100 ml	Glass vial	8055.0100



Individual solutions for you

Do you miss certain culture media or supplements? We will be happy to advise you personally and competently. Please don't hesitate to contact your personal expert directly or to send your questions and suggestions to sales@thgeyer.com



**MEDIA
COMPONENTS**



AGAR BACTERIOLOGICAL, EUROPEAN TYPE

- Particle size 95% over sieve 60 mm
- Gel strength (1.5% Nikan) 800–1100 g/cm²
- Melting point (1.5%) 85 ± 3 °C
- Gelling point (1.5%) 35 ± 3 °C
- Turbidity (1.5%) max. 12 NTU
- pH (1.5%) after autoclaving 6.5 ± 0.4
- Loss on drying max. 10% w/w
- Ash max. 4.5% w/w
- Total aerobic count < 3000 CFU/g
- Coliforms < 3 CFU/g
- Moulds and yeast < 100 CFU/g
- *Escherichia coli* absent in 10 g
- *Salmonella spp.* absent in 25 g

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9972.0500
2 kg	Plastic container	9972.2000
5 kg	Plastic container	9972.5000



MALT EXTRACT

- Loss on drying max. 6.0%
- Ash max. 4.5%
- Sodium chloride (NaCl) max. 1.0%
- pH (3% solution) 4.8–5.8
- Maltose > 60%
- Total aerobic count < 10000 CFU/g
- Moulds and yeast < 20 CFU/g
- *Escherichia coli* absent in 10 g
- *Salmonella spp.* absent in 25 g

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8745.0500
2 kg	Plastic container	8745.2000
5 kg	Plastic container	8745.5000



PEPTONE FROM CASEIN (PANCREATIC DIGESTED CASEIN)

- Amino nitrogen (AN) > 3.9 (% w/w)
- Total nitrogen (TN) > 10.00 (% w/w)
- Loss on drying max. 6.0%
- Chlorides (NaCl) max. 1.0 (%)
- Ash max. 17.0%
- pH (2% solution) 6.5–7.5 after autoclaving
- Total aerobic count < 10000 CFU/g
- Coliforms < 10 CFU/g
- Moulds and yeast < 20 CFU/g
- *Staphylococcus aureus* absent in 10 g
- *Escherichia coli* absent in 10 g
- *Salmonella spp.* absent in 25 g

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9754.0500
2 kg	Plastic container	9754.2000
5 kg	Plastic container	9754.5000

SOY PEPTONE, PAPAIN-DIGESTED (ANIMAL/GMO FREE)

- Amino nitrogen (AN) 2.0–3.5%
- Total nitrogen (TN) 9.0–11.0%
- Loss on drying max. 6.0%
- Chlorides (NaCl) max. 1.0%
- Ash max. 21.0%
- pH (2% solution) 6.5–7.5
- Total aerobic count < 10000 CFU/g
- Coliforms < 10 CFU/g
- Moulds and yeast < 20 CFU/g
- *Staphylococcus aureus* absent in 10 g
- *Escherichia coli* absent in 10 g
- *Salmonella spp.* absent in 25 g

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8490.0500



TRYPTONE FROM CASEIN (TRYPSIN-DIGESTED CASEIN)

- Amino nitrogen (AN) min. 3.0–4.5% w/w
- Total nitrogen (TN) 12.0–13.5% w/w
- Loss on drying max. 6.0%
- Chlorides (NaCl) max. 1.0%
- Ash max. 15.0%
- pH (2% solution) 6.8–7.2
- Total aerobic count < 10000 CFU/g
- Coliforms < 10 CFU/g
- Moulds and yeast < 20 CFU/g
- *Staphylococcus aureus* absent in 10 g
- *Escherichia coli* absent in 10 g
- *Salmonella spp.* absent in 25 g

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	8028.0500
2 kg	Plastic container	8028.2000



YEAST EXTRACT

- Amino nitrogen (AN) min. 4.5–5.8%
- Total nitrogen (TN) 10.0–11.8%
- Total carbohydrates 7.0–13.0% (g/100 g)
- Loss on drying max. 6.0%
- Sodium chloride (NaCl) max. 0.5%
- pH (2% solution) 6.5–7.5
- Total aerobic count < 5000 CFU/g
- Coliforms < 5 CFU/g
- Moulds and yeast < 100 CFU/g
- Spores of *Clostridium perfringens* < 10 CFU/g
- *Staphylococcus aureus* absent in 10 g
- *Escherichia coli* absent in 10 g
- *Salmonella spp.* absent in 25 g

Quantity	Packaging material	Art. no.
500 g	Plastic bottle	9263.0500
2 kg	Plastic container	9263.2000



All media components are also available in the package sizes of 2 kg, 5 kg and 10 kg if required. Please do not hesitate to contact us at sales@thgeyer.de

APPLICATION AREAS

APPLICATION AREAS OF THE MEDIA

Art. No.	Product name	Water analysis	Food analysis	Pharma/ Cosmetics	Molecular Biology
9869	Baird Parker Agar (base)		X	X	
9850	Blood Agar (base)			X	
9264	Brain Heart Infusion Broth (BHI Broth)	X	X		
9835	Brilliant Green Bile Broth	X	X		
9717	Casein Peptone Lecithin Polysorbate Broth (base)		X	X	
9783	Cetrimide Agar Ph. Eur.	X	X	X	
9770	Columbia Agar Ph. Eur.		X	X	
9643	DEV Nutrient Agar	X	X		
9685	DG 18 Agar (Dichloran Glycerol Chloramphenicol Agar) (base)		X		
9677	DRBC Agar (Dichloran Rose Bengal Chloramphenicol Agar)		X		
9571	Enterobacteriaceae Enrichment Broth Mossel (EE Broth)			X	
9439	Fraser Broth (base)		X		
8536	Kanamycin Aesculin Azide Agar Base (KAA Agar)		X		
8620	Lactose Broth	X	X	X	
8869	Lactose Broth DEV	X			
8848	Lauryl Sulphate Broth		X		
8876	LB Agar acc. to Lennox				X
8843	LB Agar acc. to Miller				X
8891	LB Broth acc. to Lennox				X
8822	LB Broth acc. to Miller				X
8811	Legionella BCYE Agar (base)	X	X		
8813	Listeria Selective Agar Base according to Ottaviani and Agosti (ALOA)		X	X	
8796	MacConkey Agar Ph. Eur.	X	X	X	
8753	MacConkey Broth Ph. Eur.		X	X	
8287	Malt Extract Agar		X	X	
8764	Malt Extract Broth		X	X	
8743	Mannitol Salt Agar (Chapman Agar)		X	X	
8485	Maximum Recovery Diluent		X		
8761	MRS Agar ISO		X		
8733	MRS Broth		X		
8710	MYP Agar (Mannitol Egg Yolk Polymyxin Agar) (base)		X		
8657	Nutrient Agar APHA	X	X	X	

Art. No.	Product name	Water analysis	Food analysis	Pharma/ Cosmetics	Molecular Biology
8546	Orange Serum Agar		X		
8519	OXord Listeria Agar (base)		X		
8429	PALCAM Listeria Agar (base)		X		
8449	Peptone Water, buffered ISO	X	X	X	
8644	Peptone Water, buffered Ph.Eur.			X	
8425	Plate Count Agar (PCA)	X	X	X	
8459	Plate Count Skim Milk Agar (PCA)		X		
8992	Potato Dextrose Agar Ph. Eur.		X	X	
8895	Pseudomonas Agar (Base) ISO		X		
8267	R2A Agar Ph. Eur.	X	X	X	
8229	Rappaport Vassiliadis Broth		X		
9749	Reinforced Clostridial Medium (RCM) Ph. Eur.		X		
8159	Sabouraud 2% Dextrose Broth Ph. Eur.		X	X	
8135	Sabouraud 4% Dextrose Agar Ph. Eur.		X	X	
8174	Slanetz and Bartley Agar (base)	X			
8152	Standard 1 Nutrient Agar		X		
8180	Standard 1 Nutrient Broth		X		
8049	Terrific Broth				X
9661	Triple Sugar Iron Agar		X		
9738	Tryptic Soy Agar Ph. Eur.	X	X	X	
9775	Tryptic Soy Agar with Polysorbate 80 and Lecithin Ph. Eur.				
9721	Tryptic Soy Broth Ph. Eur.	X	X	X	
8032	TSC Agar (Tryptose Sulfite Cycloserine Agar)		X		
7883	VRB Agar (Violet Red Bile Lactose Agar)	X	X		
7836	VRBD Agar (Violet Red Bile Dextrose Agar) Ph. Eur.	X	X		
7772	Wort Agar		X		
7759	Wort Broth		X		
7649	XLD Agar (Xylose Lysine Deoxycholate Agar) ISO		X	X	
7533	YGC Agar (Yeast Extract Glucose Chloramphenicol Agar)		X		
7556	YPD Broth				X
7581	2x YT Agar				X
7548	2x YT Broth				X

ALL YOU NEED FOR MICROBIOLOGY

TH. GEYER IS A FULL SERVICE LABORATORY PROVIDER

We offer our customers high-quality products and expert services for all laboratory needs as well as for the very specific laboratory needs. That is why you will of course not only find everything for your culture media laboratory in our comprehensive portfolio, but also countless top products for all your microbiology needs.

The following list gives you a quick overview of the product range. We will be happy to advise you and take care of your individual needs. With more than 130 years of experience in the business, we are always there for you, "supplying your ideas."

CULTURE MEDIA, REAGENTS AND REFERENCE MATERIAL

- Dehydrated culture media
- Ready-to-use media (plates, vials, dip slides, contact plates)
- Supplements
- Antibiotics
- Reference strains
- Reference materials
- Staining solutions
- etc.

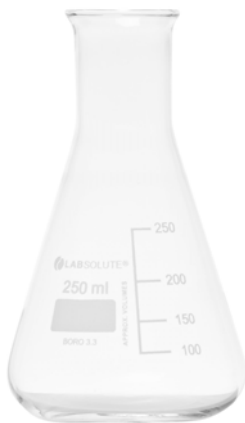


DEVICES

- Homogenizer
- Microscopes
- Autoclaves
- Incubators
- Air samplers
- Biological safety cabinets
- Water baths
- pH meters
- Thermometers
- Colony counters
- etc.

CHEMICALS IN GENERAL

- Buffers
- Alcohols
- Calibration solutions
- Storage solutions
- etc.



SAFETY

- Lab coats
- Safety gloves
- Safety spectacles
- Heat protection
- Skin care
- etc.

CONSUMABLES

- Petri dishes
- Inoculation loops
- Glassware (test tubes, flasks, bottles, etc.)
- Cryo products
- Pipettes
- Sample tubes and beakers
- Smear test instruments
- etc.

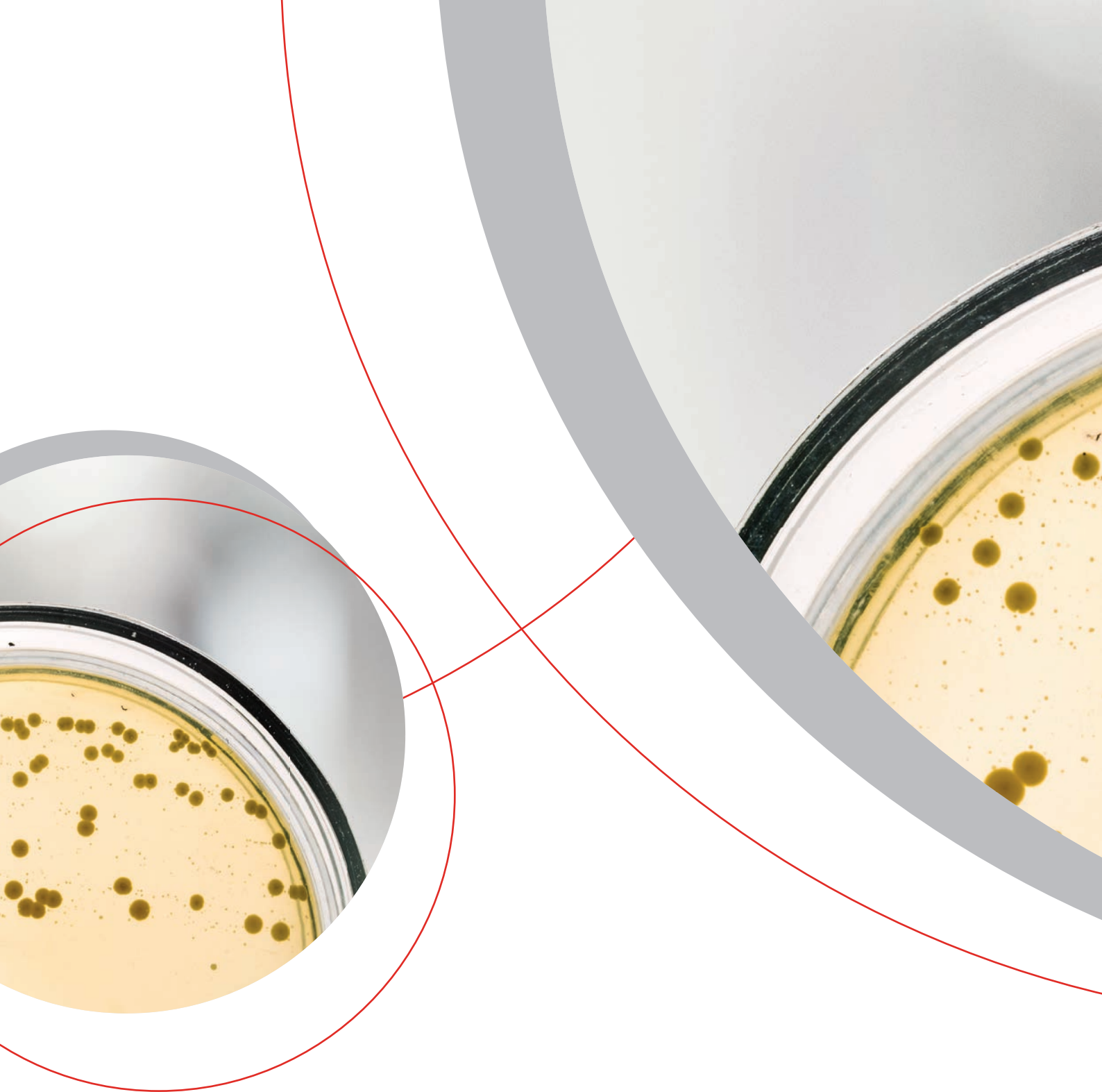
CLEANING AND DISPOSAL

- Disposal bags
- Disinfectants
- Surface cleaners
- Cleaning wipes
- etc.



**WE LOOK
FORWARD TO
RECEIVING YOUR
ORDER**

Technical modifications and mistakes reserved. We deliver exclusively in accordance with our general terms and conditions of business, which we will be pleased to provide you with upon request.



Germany

Tel.: 0800 4393784
sales@thgeyer.de

Scandinavia

Tel.: +45 4630 0030
sales@thgeyer.dk

Tel.: +46 8 6030200
sales@thgeyer.se

Poland

Tel.: +48 2242764-64
sales@thgeyer.pl

Other countries

Tel.: +49 7159 1637-823
sales@thgeyer.com

www.thgeyer.com

