Sterility Testing Media and Rinse Fluids

Easy-to-use, reliable, sterile products to ensure accurate sterility testing, bioburden testing and general microbiology preparation

MilliporeSigma is the U.S. and Canada Life Science business of Merck KGaA, Darmstadt, Germany.

Millipore®

Preparation, Separation, Filtration & Monitoring Products

Sterility Testing
Media and Rinse Fluids

Easy-to-use, reliable, sterile products to ensure accurate sterility testing, bioburden testing and general microbiology preparation

Culture media and rinsing fluids help to highlight the presence of bacteria and fungi. Those products are used mainly to determine whether the pharmaceutical product, medical devices, cream or oil are contaminated by microorganisms.

Test with the Highest Level of Confidence

All our ready-to-use media and fluids are manufactured in ISO® 9001 controlled environments where each lot is certified for pH, sterility, and growth promotion using ATCC® strains specified by the EP 2.6.1, USP 71 et JP 4.06 as well as our strict internal QC procedures. All products are sterile with a Sterility Assurance Level of 10^{-6}.

Custom Solutions

For specific requests not existing in the current portfolio, we can develop custom solutions fulfilling your specifications. There are some prerequisites to consider, especially about minimum volume: 300 L/batch for bottles and 5000 pcs for tubes and plates. Please contact us in order to start the feasibility study.

Applications

- Sterility testing (membrane filtration and direct inoculation)
- Bioburden testing
- General Microbiology

Multiple Configuration and Features

Our Sterility Testing Media and Rinse Fluids portfolio offer a wide range of products for sterility testing, bioburden testing and general microbiology preparation.

Fluid A
Suitable as a general rinse buffer, and compatible with most samples. Excellent for dissolving or diluting samples, reconstituting commercial microorganisms, or as a transport medium for microorganisms.

Fluid K
Suitable for testing samples that contain petrolatum, oils, or oily solutions. Excellent for rinsing pathways of medical devices, and for samples that are difficult to filter or dissolve.

Fluid D
Suitable for testing samples that contain lecithin or oil, and compatible with most antibiotics. Excellent for rinsing sterile pathways of devices, and typically needed for rinse method testing of medical devices.

Isopropyl Myristate
IPM is suitable as a sterile solvent in water-in-oil emulsion, oils and fat-based ointments. The use of IPM is recommended for sterility testing as a diluent for oils and oily solutions, as well as for ointments and creams. Indeed, its solvent properties improve the filterability of these samples. This product is gamma irradiated.

Fluid Thioglycollate Medium
is primarily intended for the detection of anaerobic bacteria, however, it also enables aerobic bacterial detection. This medium is used for sterility testing by membrane filtration or direct inoculation as described in the USP, EP and JP.

Soybean-Casein Digest Medium
(Trypcase Soy Broth) suitable for the culture of both fungi and aerobic bacteria. This medium is used for sterility testing by membrane filtration or by direct inoculation. It is also used as pre-enrichment broth for non sterile products. Compliant to the USP, EP and JP.

Clear Thioglycollate Medium
has the same growth promotion properties as the standard FTM. The alternative formulation, compliant to pharmacopeia recommendations, brings extra visual clarity.

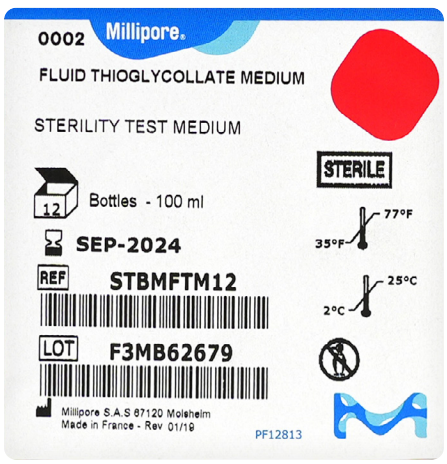
Double Packaging Configuration

Double packed and ETO sterilized media and fluids for easy use in a laminar flow hood

- Streamline and optimize your cleaning procedures.
- Minimize the risk of cross contamination and false results.
- Reduce the bioburden load on your testing environment.
- Secure an efficient decontamination in isolator chambers.

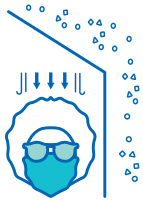
Traceability

- Identification and 2D barcodes on the primary packaging, secondary packaging and on each single unit.
- Color coding on boxes and on each unit to avoid mistakes.



Manufacturing Information

Our manufacturing steps ensure reliable testing



Step 1:

Controlled environment including microbiological monitoring

Step 2:

Components are transferred to a preparation tank within a closed environment

Step 3:

Bottle cleaning process utilizes controlled purified water

Step 4:

Rinse fluids are filtered through a 0.45 micron filter while culture media are pre-filtered through a 1 micron filter.

Step 5:

Single-use connections and tubings are used in the filling station

Step 6:

Autoclave sterilization:

14–24 min (±3);

122–123 °C (±2)

Each cycle is validated to achieve appropriate F0 sterility value.

Recommendations

Bottles

- Please inspect each container for visible defects and/or turbidity and discard if present.
- Please avoid the contamination of culture media by contact with skin or body fluids. Such contaminated media cannot be used anymore.
- In the case of negative pressure due to prior heat sterilization, the containers should be ventilated by sterile filter-units (Steritest® vent needles, catalogue no. TEFG02525) before usage to avoid aspiration of potential contaminated air.
- The risk of transfer of microorganisms from the surface of the containers into the sterile culture medium can be minimized by disinfection of the external surface (including the septum) followed by handling in sterile environments (e.g. isolators). The inoculation of the containers by sterile needles is safer than procedures which require opening of media bottles or tubes.

Tubes

- To inject via septum it’s optimal to use a cool, sterile, 30 gauge (30G) needle.
- Never inject more than 10% of the total volume of the tube.
- While using a needle with the septum, never touch the medium with the needle when you inject the sample.

Specifications and Ordering Information

Our Sterility Testing Media and Rinse Fluids help to help detect the presence of bacteria and fungi.

These products are used mainly to determine whether the pharmaceutical product, medical devices, cream or oil are contaminated with microorganisms.

The test is passed if no growth is visible at the end of incubation. It is recommended to identify any contaminants to aid in the investigation and to implement any changes or corrective actions.

Bottles

Type 1: Bottle with flip cap with septum. Picture depicts 125 mL bottle with filling volume of 100 mL.

Type 2: Bottle with screw cap with septum. Picture depicts 250 mL bottle with filling volume of 225 mL.

Type 3: Bottle with screw cap with 3 septa. Picture depicts 125 mL bottle with filling volume of 100 mL.

Type 4: Wide mouth bottle. Picture depicts 275 mL bottle with filling volume of 100 mL.

Type 5: Plastic vial with a plastic flip cap. Picture depicts 12 mL vial with filling volume of 9 mL.

Tubes

Tube with screw cap with 2 septa.

Bottles

Catalog No.	Product Name (Supplement)	S or O[2]	Composition /L	Performance	Storage
1468100006	Agarose Agar	**O**	Tryptone: 10 g NaCl: 5 g Agarose: 6 g	ATCC 8739	+2 °C to +25 °C
1468550006	Blotting Buffer	**O**	Sodium acetate trihydrate: 6.80 g Acetic acid: 1.8 mL	No fertility test	+2 °C to +25 °C
1468570006	Blotting Buffer	**O**	Tris(hydroxymethyl)aminomethane: 6.06 g NaCl: 8.76 g	No fertility test	+2 °C to +25 °C
1468560006	Blotting Buffer	**O**	Tris(hydroxymethyl)aminomethane: 6.06 g NaCl: 8.76 g Tween® 20: 0.45 mL	No fertility test	+2 °C to +25 °C
1468590006	Blotting Buffer	**O**	Tris(hydroxymethyl)aminomethane: 6.06 g NaCl: 8.76 g Tween® 20: 18.18 mL	No fertility test	+2 °C to +25 °C
1464980006	Calcium Citrate	**O**	Casein Peptone: 20 g Yeast Extract: 5 g Gelatin: 2.5 g NaCl: 4 g Lactose: 10 g Ca-Lactate: 8 g Na-Citrate: 2 g Agar: 15 g	DSM20242 ATCC 7469 Lactococcus lactis lactis isolate	+2 °C to +25 °C
1466800006	Casein Broth (LT)	**O**	Casein Peptone: 20 g Lecithin from Soya: 5 g Polysorbate 20: 40 mL	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 10231	+2 °C to +25 °C
1464950010	Casein Peptone Lecithin Polysorbate Broth	**S**	Casein Peptone: 20 g Lecithin from Soya: 5 g Polysorbate 20: 40 mL	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 8739 ATCC 10231	+2 °C to +25 °C
1464770006	Fluid A	**O**	Casein Peptone: 1 g	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 8739	+2 °C to +25 °C
STBMRFA64	Fluid A	**S**	Meat peptone (peptic digest of animal tissue): 1 g	ATCC 19404 ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C
B485-1L	Fluid A	**O**	Meat Peptone: 1 g	ATTCC 10231 ATTCC 6538 ATTCC 9027 ATTCC 6633 ATTCC 19404 ATTCC 16404	+2 °C to +25 °C
STBMRFA12	Fluid A	**S**	Meat peptone (peptic digest of animal tissue): 1 g	ATCC 19404 ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C
STBMRFA12DP (double packed)	Fluid A	**S**			
STBMRFA34	Fluid A	**S**			
STBMRFA94	Fluid A	**S**			
1464150006	Fluid A	**S**	Peptic Digest of Animal Tissue: 1 g	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10221 ATCC 8739	+2 °C to +25 °C
1464700010		**S**			
1464890006		**O**			
1464890012		**O**			
1466020006	Fluid A	**O**	Peptic Digest of Animal Tissue: 1 g	ATCC 6538 ATCC 9027 ATCC 10231	+2 °C to +25 °C
1466390006		**O**			
1466910006		**O**			
1463980006	Fluid A	**S**	Peptone: 1 g	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 8739	+2 °C to +25 °C
1464880006		**S**			

[1] Flip + S = flip cap with septum, Screw + 3L = Screw cap 3 loci, Screw + S = screw cap with septum, Screw + WN = screw cap for wide Neck, Screw = screw cap
[2] Make to Stock (**S**) or Make to Order (**O**)
Typical Composition: The medium can be adjusted and/or supplemented according to the performance criteria required.

pH	Shelf Life (days)	Cap Type[1]	Bottle	Filling Vol. (mL)	Bottle Size (mL)	Qty. per Pc.
6.8 to 7.2	360	Screw + 3L	Glass	250	250	6
4.7 to 5.1	360	Screw + 3L	Glass	1000	1000	6
7.7 to 8.1	360	Screw + 3L	Glass	1000	1000	6
7.7 to 8.1	360	Screw + 3L	Glass	1000	1000	6
7.8 to 8.2	360	Screw + 3L	Glass	1000	1000	6
6.4 to 6.8	180	Screw + 3L	Glass	170	250	6
6.9 to 7.3	360	Screw + S	Glass	500	500	6
6.9 to 7.3	360	Screw + 3L	Glass	90	125	10
6.9 to 7.3	360	Flip + S	Glass	700	1000	6
6.9 to 7.3	360	Screw + S	Glass	600	1000	4
6.9 to 7.3	360	Screw	Plastic (PC)	1000	1000	4
6.9 to 7.3	360	Screw + S	Glass	100	125	12
				100	125	12
				300	500	4
				900	1000	4
6.9 to 7.3	360	Flip + S	Glass	300	500	6
				100	125	10
				600	1000	6
				600	1000	12
6.9 to 7.3	360	Screw + S	Glass	300	500	6
		Screw + 3L		1000	1000	6
		Screw + 3L		800	1000	6
6.9 to 7.3	360	Screw + S	Glass	1000	1000	6
		Screw + S		500	500	6

Bottles

Catalog No.	Product Name (Supplement)	S or O[2]	Composition /L	Performance	Storage
1468050006	Fluid A	**O**	Peptone: 1 g	ATCC 6538 ATCC 9027 ATCC 10231	+2 °C to +25 °C
1468070006		**O**			
1468540006	Fluid A (Acide L-ascorbique 1%+ Peptone 0.1%)	**O**	Meat peptone tryptic digest: 1 g Ascorbic acid: 10 g	No fertility test	+2 °C to +25 °C
STBMRFD34	Fluid D	**S**	Meat peptone (peptic digest of animal tissue): 1 g Polysorbate 80: 1 mL	ATCC 19404 ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C
STBMRFD64		**O**			
1464830006	Fluid D	**S**	Peptic Digest of Animal Tissue: 1 g Polysorbate 80: 1 mL	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 8739	+2 °C to +25 °C
1468060006		**O**			
1463960006		**O**			
1464690006		**S**			
1465730006	Fluid D	**O**	Peptic Digest of Animal Tissue: 1 g Tween® 80: 1 mL	ATCC 6538 ATCC 9027 ATCC 10231	+2 °C to +25 °C
1464680010	Fluid D (Sodium thiosulfate + DTT)	**O**	Peptone: 1 g Tween® 80: 1 mL Sodium-Thioglycollate: 0.5 g Dithiothreitol: 0.31 g	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 8739	+2 °C to +25 °C
STBMRFK12	Fluid K	**S**	Meat peptone (peptic digest of animal tissue): 5 g Beef extract: 3 g Polysorbate 80: 10 g	ATCC 19404 ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 16404	+15 °C to +25 °C
STBMRFK34		**S**			
1467790006	Fluid K	**O**	Peptic Digest of Animal Tissue: 5 g Beef Extract: 3 g Tween® 80: 10 g	ATCC 6538 ATCC 9027 ATCC 10231	+2 °C to +25 °C
B159-150S	Fluid Thioglycollate Medium	**O**	Casein: 15 g Yeast Extract: 5 g Dextrose: 5.5 g Sodium Chloride: 2.5 g L-Cystine: 0.5 g Sodium Thioglycollate: 0.5 g Agar: 0.75 g Resazurin: 1 mg	ATTCC 19404 ATTCC 6538 ATTCC 9027 ATTCC 9341 ATTCC 6633 ATTCC 25923	+2 °C to +25 °C
B159-600S		**O**			
STBMFTM12	Fluid Thioglycollate Medium	**S**	Casein peptone: 15 g L-Cystine: 0.5 g Monohydrated/Anhydrous dextrose: 5.5 g/5 g Yeast extract: 5 g Sodium chloride: 2.5 g Sodium thioglycollate: 0.5 g or Thioglycolic acid: 0.3 mL Resazurin: 0.001 g Agar: 0.75 g	ATCC 19404 ATCC 6538 ATCC 9027	+2 °C to +25 °C
STBMFTM12DP (double packed)		**S**			
1463140020	Fluid Thioglycollate Medium	**O**	Casein Peptone: 15 g Meat Peptone: 0.5 g Thiogl.: 0.5 g Tween® 80: 15 g Resazurin: 1 mg Cysteine: 1.45 g Cystine: 0.5 g NaCl: 2.5 g Yeast Ex.: 5 g Lecithine: 1.5 g Histidine: 0.5 g Gluc.anh.: 5 g K_2HPO_4: 1.8 g Na_2HPO_4: 3.6 g Agar: 0.75 g	ATCC 11437 ATCC 8739 ATCC 9027 ATCC 6538 ATCC 6633 ATCC 10231	+2 °C to +25 °C

[1] Flip + S = flip cap with septum, Screw + 3L = Screw cap 3 loci, Screw + S = screw cap with septum, Screw + WN = screw cap for wide Neck, Screw = screw cap
[2] Make to Stock (**S**) or Make to Order (**O**)
Typical Composition: The medium can be adjusted and/or supplemented according to the performance criteria required.

pH	Shelf Life (days)	Cap Type[1]	Bottle	Filling Vol. (mL)	Bottle Size (mL)	Qty. per Pc.
6.9 to 7.3	180	Screw + 3L	Glass	250	250	6
	360	Screw + 3L		500	500	6
NA	360	Flip + S	Glass	300	500	6
6.9 to 7.3	360	Screw + S	Glass	300	500	4
		Screw + S		600	1000	4
6.9 to 7.3	360	Flip + S	Glass	300	500	6
		Screw + 3L		500	500	6
		Screw + S		1000	1000	6
		Screw + S		500	500	6
6.9 to 7.3	360	Screw + S	Glass	800	1000	6
6.5 to 7.5	360	Flip + S	Glass	100	125	10
6.7 to 7.1	360	Screw + S	Glass	100	125	12
		Screw + S		300	500	4
6.7 to 7.1	180	Flip + S	Glass	500	500	6
6.9 to 7.3	360	Screw + S	Plastic (PC)	150	300	12
		Screw + S	Plastic (PC)	600	1000	4
6.9 to 7.3	360	Screw + S	Glass	100	125	12
		Screw + S	Glass	100	125	12
6.9 to 7.3	270	Screw + 3L	Glass	180	250	20

Bottles

Catalog No.	Product Name (Supplement)	S or O[2]	Composition /L	Performance	Storage
1464060010	Fluid Thioglycollate Medium	**S**	Pancreatic Digest of Casein: 15 g NaCl: 2.5 g Glucose x H_2O: 5.5 g Na-Thioglycol.: 0.5 g Yeast Extract: 5 g L-Cystine: 0.5 g Resazurin: 1 mg Agar: 0.75 g	ATCC 6538 ATCC 9027 ATCC 19404 ATCC 11437	+2 °C to +25 °C
1464590006	Fluid Thioglycollate Medium	**O**	Pancreatic Digest of Casein: 15 g Yeast Extract: 5 g Na-Thioglycol.: 0.5 g Resazurin: 1 mg L-Cystine: 0.5 g NaCl: 2.5 g Agar: 0.75 g Glucose x H_2O: 5.5 g	ATCC 19404 ATCC 11437 ATCC 6538 ATCC 9027	+2 °C to +25 °C
1463860010	Fluid Thioglycollate Medium	**S**			
1463870006	Fluid Thioglycollate Medium	**S**	Pancreatic Digest of Casein: 15 g Yeast Extract: 5 g Na-Thioglycol.: 0.5 g Resazurin: 1 mg L-Cystine: 0.5 g NaCl: 2.5 g Agar/Gel. Ag.: 0.2 g Glucose x H_2O: 5.5 g	ATCC 19404 ATCC 11437 ATCC 6538 ATCC 9027	+2 °C to +25 °C
STBMCTM12DP (double packed) **STBMCTM12**	Clear Thioglycollate Medium	**S**	Casein peptone: 15 g L-Cystine: 0.5 g Monohydrated/Anhydrous dextrose: 5.5 g/5 g Yeast extract: 5 g Sodium chloride: 2.5 g Sodium thioglycollate: 0.5 g or Thioglycolic acid: 0.3 mL Resazurin: 0.001 g Synthetic Agar: 0.75 g	ATCC 19404 ATCC 6538 ATCC 9027	+2 °C to +25 °C
1464560010	Clear Thioglycollate Medium	**S**	Casein Peptone: 15 g NaCl: 2.5 g Na-Thioglycol.: 0.5 g Resazurin: 1 mg Yeast Extract: 5 g Glucose Anhyd.: 5 g L-Cystine: 0.5 g Agar/Gel. Ag.: 0.2 g	ATCC 6538 ATCC 9027 ATCC 19404 ATCC 11437	+2 °C to +25 °C
1465900006		**O**			
1468190006	Clear Thioglycollate Medium	**O**	Casein Peptone: 15 g Yeast Extract: 5 g NaCl: 2.5 g Glucose Anhyd.: 5 g Na-Thioglycol.: 0.5 g L-Cystine: 0.5 g Resazurin: 1 mg Agar/Gel. Ag.: 0.2 g	ATCC 6538 ATCC 9027 ATCC 19404 ATCC 11437	+2 °C to +25 °C
1463330010	Clear Thioglycollate Medium	**S**	Casein Peptone: 15 g Yeast Extract: 5 g Na-Thioglycol.: 0.5 g Resazurin: 1 mg L-Cystine: 0.5 g NaCl: 2.5 g Agar/Gel. Ag.: 0.2 g Glucose Anhyd.: 5 g	ATCC 19404 ATCC 11437 ATCC 6538 ATCC 9027	+2 °C to +25 °C
1466290006	Clear Thioglycollate Medium (Tween® 1%)	**O**	Casein Peptone: 15 g NaCl: 2.5 g Na-Thioglycol: 0.5 g Resazurin: 1 mg Tween® 80: 10 mL Yeast Extract: 5 g Glucose Anhyd.: 5 g L-Cystine: 0.5 g Agar/Gel. Ag: 0.2 g	ATCC 19404 ATCC 11437 ATCC 9027 ATCC 6538	+2 °C to +25 °C

[1] Flip + S = flip cap with septum, Screw + 3L = Screw cap 3 loci, Screw + S = screw cap with septum, Screw + WN = screw cap for wide Neck, Screw = screw cap
[2] Make to Stock (**S**) or Make to Order (**O**)
Typical Composition: The medium can be adjusted and/or supplemented according to the performance criteria required.

pH	Shelf Life (days)	Cap Type[1]	Bottle	Filling Vol. (mL)	Bottle Size (mL)	Qty. per Pc.
6.9 to 7.3	360	Flip + S	Glass	100	100	10
6.9 to 7.3	270	Flip + S	Glass	250	250	6
	360	Screw + S	Glass	100	125	10
6.9 to 7.3	360	Screw + S	Glass	750	1000	6
6.9 to 7.3	360	Screw +S	Glass	100	125	12
6.9 to 7.3	360	Flip + S	Glass	100	125	10
		Screw + S		900	1000	6
6.9 to 7.3	360	Screw + S	Glass	450	500	6
6.9 to 7.3	360	Screw + S	Glass	100	125	10
6.9 to 7.3	180	Screw + S	Glass	500	500	6

Bottles

Catalog No.	Product Name (Supplement)	S or O[2]	Composition /L	Performance	Storage
B650-150S	Fluid Thioglycollate Medium (0.5% Beef)	O	Beef Extract: 5 g Yeast Extract: 5 g Casein: 15 g Dextrose: 5.5 g Sodium Chloride: 2.5 g L-Cystine: 0.5 g Sodium Thioglycollate: 0.5 g Agar: 0.75 g Resazurin: 1 mg	ATTCC 25923 ATTCC 9027 ATTCC 6633 ATTCC 10231 ATTCC 19404 ATTCC 9341	+2 °C to +25 °C
1463140006	Fluid Thioglycollate Medium (LTH)	O	Casein Peptone: 15 g Meat Peptone: 0.5 g Thiogl.: 0.5 g Tween® 80: 15 g Resazurin: 1 mg Cysteine: 1.45 g Cystine: 0.5 g NaCl: 2.5 g Yeast Ex.: 5 g Lecithine: 1.5 g Histidine: 0.5 mL Gluc.anh.: 5 g K_2HPO_4: 1.8 g Na_2HPO_4: 3.6 g Agar: 0.75 g	ATCC 11437 ATCC 8739 ATCC 9027 ATCC 6538 ATCC 6633 ATCC 10231	+2 °C to +25 °C
1468520006	Fluid Thioglycollate Medium (Tween® 0.1%)	O	Pancreatic Digest of Casein: 15 g Yeast Extract: 5 g NaCl: 2.5 g Na-Thioglycol. 0.5 g L-Cystine: 0.5 g Glucose x H_2O: 5.5 g Resazurin: 1 mg Agar: 0.75 g Polysorbate 80: 1 mL	ATCC 19404 ATCC 11437 ATCC 9027 ATCC 6538	+2 °C to +25 °C
1466310006	Fluid Thioglycollate Medium (Tween® 0.1%)	O	Pancreatic Digest of Casein: 15 g NaCl: 2.5 g Glucose x H_2O: 5.5 g Yeast Extract: 5 g Na-Thioglycol.: 0.5 g L-Cystine: 0.5 g Resazurin: 1 mg Agar: 0.75 g	ATCC 19404 ATCC 11437 ATCC 9027 ATCC 6538	+2 °C to +25 °C
1467150010	Fluid Thioglycollate Medium (Tween® 0.5%)	O	Pancreatic Digest of Casein: 15 g Yeast Extract: 5 g NaCl: 2.5 g Na-Thioglycol. 0.5 g L-Cystine: 0.5 g Glucose x H_2O: 5.5 g Resazurin: 1 mg Agar: 0.75 g Polysorbate 80: 5 mL	ATCC 19404 ATCC 11437 ATCC 9027 ATCC 6538	+2 °C to +25 °C
1468010006		O			
1465720012	Fluid Thioglycollate Medium (Tween® 1%)	O	Pancreatic Digest of Casein: 17.7 g Yeast Extract: 5.9 g Na-Thioglycollate: 0.6 g Glucose x H_2O: 6.5 g Agar: 0.86 g NaCl: 2.9 g Tween® 80: 11.8 g L-Cystine: 0.6 g Resazurin: 1.2 mg	ATCC 19404 ATCC 11437 ATCC 6538 ATCC 9027	+2 °C to +25 °C
1468130006	Luria Agar	O	Tryptone: 10 g NaCl: 5 g Yeast extract: 5 g	ATCC 8739	+2 °C to +25 °C
1468120006	Luria Agar	O	Tryptone: 10 g NaCl: 5 g Yeast extract: 5 g Agar: 13 g	ATCC 8739	+2 °C to +25 °C
1463720006	MacConkey Broth	S	Pancreatic Digest of Gelatin: 20 g Lactose Monohydrate: 10 g Dehydrated Ox Bile: 5 g Bromocresol Purple: 10 mg	ATCC 8739 ATCC 14028	+2 °C to +25 °C
1464610070		O			

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[2] Make to Stock (**S**) or Make to Order (**O**)
Typical Composition: The medium can be adjusted and/or supplemented according to the performance criteria required.

pH	Shelf Life (days)	Cap Type[1]	Bottle	Filling Vol. (mL)	Bottle Size (mL)	Qty. per Pc.
7.0 to 7.4	360	Screw + S	Glass	150	300	12
6.9 to 7.3	270	Screw + 3L	Glass	180	250	6
6.9 to 7.3	360	Screw + S	Glass	1000	1000	6
6.9 to 7.3	360	Flip + S	Glass	500	500	6
6.9 to 7.3	270	Flip + S	Glass	100	125	10
	360	Screw + S		400	500	6
6.9 to 7.3	360	Screw	Glass	850	1000	12
6.8 to 7.2	360	Screw + 3L	Glass	200	250	6
6.8 to 7.2	360	Screw + 3L	Glass	200	250	6
7.1 to 7.5	360	Screw + 3L	Glass	100	250	6
				100	125	70

Bottles

Catalog No.	Product Name (Supplement)	S or O[2]	Composition /L	Performance	Storage
1463820006	MacConkey Broth	**S**	Pancreatic Digest of Gelatin: 20 g Lactose Monohydrate: 10 g Dehydrated Ox Bile: 5 g Bromocresol Purple: 10 mg	ATCC 8739 ATCC 14028 ATCC 6538	+2 °C to +25 °C
1463830006		**S**			
1464610010		**S**			
1468470010	Magnesium	**O**	Sulfate de Magnesium Heptahydrate, purity >99%: 2.47 g/L	No fertility test	+2 °C to +25 °C
1468090006	Maximum Recovery Diluent	**O**	Peptone: 1 g NaCl: 8.5 g	ATCC 6538 ATCC 9027 ATCC 10231	+2 °C to +25 °C
B663-1L	mEHEC Broth	**O**	mEHEC Bouillon: 31.6 g	ATCC 35150 ATCC 11775 ATCC 43890 ATCC13076 ATCC14028 ATCC 25923	+2 °C to +25 °C
1464960010	Modified Tween®-Letheen Broth	**S**	Meat Peptone: 20 g Casein Peptone: 5 g Meat Extract: 5 g Yeast Extract: 2 g Na-Bisulfite: 0.1 g NaCl: 5 g Lecithin: 0.7 g Na-Thiosulfate: 1 g Tween® 80: 15 mL	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 6633 ATCC 2091	+2 °C to +25 °C
1464970006		**O**			
1463530006	Modified Tween®-Letheen Broth	**O**	Meat Peptone: 20 g Na-Bisulfite: 0.1 g Casein Peptone: 5 g NaCl: 5 g Meat Extract: 5 g Lecithin: 10.0 g Yeast Extract: 2 g Polysorb. 80: 15 mL	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 10231	+2 °C to +25 °C
1464630010	Mossel Broth	**S**	Pancreatic Digest of Gelatin: 10 g Dehydrated Ox Bile: 20 g Na_2HPO_4 x 2 H_2O: 8 g KH_2PO_4: 2 g Glucose x H_2O: 5 g Brilliant Green: 15 mg	ATCC 8739 ATCC 9027 ATCC 6538	+15 °C to +25 °C
1465890006	MRD (LT)	**O**	Casein Peptone: 1 g NaCl: 8.5 g Tween® 20: 40 mL Lecithin: 5 g	ATCC 6538 ATCC 10231 ATCC 8739	+2 °C to +25 °C
1465690010	NaCl Solution	**O**	NaCl: 9 g	ATCC 6538 ATCC 8739	+2 °C to +25 °C
1468450010	TCMG Top Agar	**O**	Casein Peptone Trypt.: 10 g/L Sodium chloride: 2.5 g/L Agar-Agar high pure for microbiology: 7.5 g/L	ATCC 8739	+2 °C to +8 °C
1464070006	NaCl-Peptone Solution Buffered	**O**	NaCl: 4.3 g KH_2PO_4: 3.56 g Na_2HPO_4: 7.23 g Peptone: 1 g	ATCC 8739 ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231	+2 °C to +25 °C
1464080006	NaCl-Peptone Solution Buffered	**S**	NaCl: 4.3 g KH_2PO_4: 3.6 g Na_2HPO_4 x 2 H_2O: 7.2 g Peptone: 1 g	ATCC 8739 ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231	+2 °C to +25 °C
1464190006		**S**			
1464800010		**S**			
1464800070		**O**			
1463950006	NaCl-Peptone Solution Buffered	**O**	NaCl: 9 g KH_2PO_4: 0.50 g Na_2HPO_4 x 2 H_2O: 0.45 g	ATCC 8739 ATCC 6538	+2 °C to +25 °C
1463950020		**O**			
1463690010	NaCl-Peptone Solution Buffered	**O**	Peptone: 1 g NaCl: 4.3 g KH_2PO_4: 3.56 g Na_2HPO_4 x 2 H_2O: 7.23 g	ATCC 6633 ATCC 8739 ATCC 6538 ATCC 9027 ATCC 10231	+2 °C to +25 °C
1466110006		**O**			

[1] Flip + S = flip cap with septum, Screw + 3L = Screw cap 3 loci, Screw + S = screw cap with septum, Screw + WN = screw cap for wide Neck, Screw = screw cap
[2] Make to Stock (**S**) or Make to Order (**O**)
Typical Composition: The medium can be adjusted and/or supplemented according to the performance criteria required.

pH	Shelf Life (days)	Cap Type[1]	Bottle	Filling Vol. (mL)	Bottle Size (mL)	Qty. per Pc.
7.1 to 7.5	360	Screw + 3L	Glass	1000	1000	6
		Screw + WN		100	275	6
		Screw + 3L		100	125	10
8.5 to 9.5	180	Screw + 3L	Glass	100	125	10
6.8 to 7.2	270	Screw + 3L	Glass	500	500	6
6.8 to 7.2	360	Screw	Plastic (PC)	1000	1000	9
7.0 to 7.4	180	Screw + 3L	Glass	90	125	10
				300	500	6
7.0 to 7.4	270	Screw + WN	Glass	90	275	6
7.0 to 7.4	240	Screw + 3L	Glass	100	125	10
6.0 to 8.0	360	Screw + S	Glass	1000	1000	6
NA	360	Screw + 3L	Glass	100	125	10
6.8 to 7.2	180	Screw + 3L	Glass	100	125	10
6.8 to 7.2	360	Screw + WN	Glass	90	275	6
6.8 to 7.2	270	Flip + S	Glass	300	500	6
	360	Screw + 3L		200	250	6
	360	Screw + 3L		90	125	10
	360	Screw + 3L		90	125	70
6.9 to 7.3	360	Flip + S	Glass	200	250	6
	360	Flip + S		200	250	20
6.8 to 7.2	360	Flip + S	Glass	100	100	10
	360	Flip + S	Glass	200	250	6

Bottles

Catalog No.	Product Name (Supplement)	S or O[2]	Composition /L	Performance	Storage
1466340006	NaCl-Peptone Solution Buffered	O	Peptone: 1 g NaCl: 4.3 g KH_2PO_4: 3.56 g Na_2HPO_4: 7.23 g Tween® 80: 1 mL	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 6633 ATCC 10231	+2 °C to +25 °C
1463600006	NaCl-Peptone Solution Buffered	S	Peptone: 1 g NaCl: 4.3 g KH_2PO_4: 3.6 g Na_2HPO_4 x 2 H_2O: 7.2 g	ATCC 6633 ATCC 8739 ATCC 6538 ATCC 9027 ATCC 10231	+2 °C to +25 °C
1463670010		S			
1463680006		S			
1467800006		O			
1465280006	NaCl-Peptone Solution Buffered	O	Peptone: 1 g NaCl: 8.5 g	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 6633 ATCC 10231	+2 °C to +25 °C
1466130006		O			
1465960006	NaCl-Peptone Solution Buffered	O	Peptone: 10 g NaCl: 5 g KH_2PO_4: 1.5 g Na_2HPO_4 * 12 H_2O: 9 g	ATCC 6633 ATCC 8739 ATCC 6538 ATCC 9027	+2 °C to +25 °C
1465700010	NaCl-Peptone Solution Buffered (LT)	O	Peptone: 1 g NaCl: 4.3 g KH_2PO_4: 3.56 g Na_2HPO_4: 7.23 g Tween® 80: 30 g Lecithin: 3 g	ATCC 6538 ATCC 9027 ATCC 10231 ATCC 8739	+2 °C to +25 °C
1465070006	NaCl-Peptone Solution Buffered (LTH)	O	Peptone: 1 g NaCl: 4.3 g K_2HPO_4: 3.6 g Na_2HPO_4: 7.23 g Tween® 80: 30 mL Lecithin: 3 g Histidine: 1 g	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 6633 ATCC 10231	+2 °C to +25 °C
1464810006	NaCl-Peptone Solution Buffered (LTH)	S	Peptone: 1 g NaCl: 4.3 g KH_2PO_4: 3.6 g Na_2HPO_4 x 2 H_2O: 7.2 g Tween® 80: 30 mL Lecithin: 3 g Histidine: 1 g	ATCC 6538 ATCC 9027 ATCC 10231	+2 °C to +25 °C
1464820006	NaCl-Peptone Solution Buffered (LTH)	S	Peptone: 1 g NaCl: 4.3 g KH_2PO_4: 3.6 g Na_2HPO_4 x 2 H_2O: 7.2 g Tween® 80: 30 mL Lecithin: 3 g Histidine: 1 g	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 6633 ATCC 10231	+2 °C to +25 °C
1465220006		S			
1465710006		O			
1464710006	NaCl-Peptone Solution Buffered (LTHTh)	S	Peptone: 1 g Na_2HPO_4: 7.23 g KH_2PO_4: 3.6 g NaCl: 4.3 g Lecithin: 3 g Tween® 80: 30 mL Histidine: 1 g Na-Thiosulfate: 5 g	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 8739 ATCC 10231	+2 °C to +25 °C
1463710006	NaCl-Peptone Solution Buffered (Tween® 0.1%)	S	Peptone: 1 g NaCl: 4.3 g KH_2PO_4: 3.6 g Na_2HPO_4 x 2 H_2O: 7.2 g Tween® 80: 1 mL	ATCC 6633 ATCC 8739 ATCC 6538 ATCC 9027 ATCC 10231	+2 °C to +25 °C
1463810006		S			
1466510006	NaCl-Peptone Solution Buffered (Tween® 1%)	O	Peptone: 1 g NaCl: 4.3 g KH_2PO_4: 3.6 g Na_2HPO_4 x 2 H_2O: 7.2 g Tween® 80: 10 mL	ATCC 6538 ATCC 9027 ATCC 10231	+2 °C to +25 °C
1466980006	NaCl-Peptone Solution Buffered (Tween® 1%)	O			

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[2] Make to Stock (**S**) or Make to Order (**O**)
Typical Composition: The medium can be adjusted and/or supplemented according to the performance criteria required.

pH	Shelf Life (days)	Cap Type[1]	Bottle	Filling Vol. (mL)	Bottle Size (mL)	Qty. per Pc.
6.8 to 7.2	360	Screw + 3L	Glass	450	500	6
6.8 to 7.2	360	Screw + 3L	Glass	90	250	6
	360	Screw + 3L		100	125	10
	270	Screw + 3L		1000	1000	6
	360	Screw + S		200	250	6
6.9 to 7.3	360	Flip + S	Glass	500	500	6
	180	Screw + 3L	Glass	250	250	6
6.8 to 7.2	180	Screw + 3L	Glass	500	1000	6
6.8 to 7.2	360	Screw + 3L	Glass	90	125	10
6.8 to 7.2	360	Flip + S	Glass	200	250	6
6.8 to 7.2	360	Screw + 3L	Glass	1000	1000	6
6.8 to 7.2	360	Screw + 3L	Glass	450	500	6
		Screw + WN		90	275	6
		Screw + 3L		200	250	6
6.8 to 7.2	360	Screw + WN	Glass	90	275	6
6.8 to 7.2	360	Screw + WN	Glass	90	275	6
	540	Screw + 3L	Glass	1000	1000	6
6.8 to 7.2	360	Screw + 3L	Glass	1000	1000	6
	360	Screw + 3L		500	500	6

Bottles

Catalog No.	Product Name (Supplement)	S or O[2]	Composition /L	Performance	Storage
1466810006	NaCl-Peptone Solution Buffered (Tween® 1%)	O	Peptone: 1 g NaCl: 4.3 g KH_2PO_4: 3.6 g Na_2HPO_4 x 2 H_2O: 7.2 g Tween® 80: 10 mL	ATCC 6538 ATCC 9027 ATCC 10231 ATCC 8739	+2 °C to +25 °C
1467810006	NaCl-Peptone Solution Buffered (Tween® 1%)	O	Peptone: 1 g NaCl: 4.3 g KH_2PO_4: 3.6 g Na_2HPO_4 x 2 H_2O: 7.2 g Tween® 80: 10 mL	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 6633 ATCC 10231	+2 °C to +25 °C
1466140006	NaCl-Peptone Solution Buffered (Tween® 1%)	O	Peptone: 1 g NaCl: 8.5 g Polysorbate 80: 10 mL	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 6633 ATCC 10231	+2 °C to +25 °C
1466820010	NaCl-Peptone Solution Buffered (Tween® 5%)	O	Peptone: 1 g NaCl: 4.3 g KH_2PO_4: 3.6 g Na_2HPO_4 x 2 H_2O: 7.2 g Tween® 80: 50 mL	ATCC 6538 ATCC 9027 ATCC 10231 ATCC 8739	+2 °C to +25 °C
1467770006	Phosphate Buffer Solution	O	KH_2PO_4: 0.033 g Na_2CO_3: 0.0098 g	ATCC 6538 ATCC 9027 ATCC 10231	+2 °C to +25 °C
1468160010	Phosphate Buffer Solution	O	KH_2PO_4: 26.22 g Na_2CO_3: 7.78 g	ATCC 16404 ATCC 6633 ATCC 8739 ATCC 6538 ATCC 9027 ATCC 10231 ATCC 6017	+2 °C to +25 °C
1465920006	Phosphate Buffer Solution	O	NaH2PO4: 3.12 g Na_2HPO_4: 28.65 g	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 8739	+2 °C to +25 °C
1465970006	PPLO Broth	O	Beef Heart, Inf.: 6 g NaCl: 5 g Peptone: 10 g	DSM 21448	+2 °C to +25 °C
1466560006	Purified Water	O	Aqua Purificata	No fertility test	+2 °C to +25 °C
1466700010		O			
1463130006	R2A Agar	S	Yeast Extract: 0.5 g K_2HPO_4: 0.3 g Proteose Peptone: 0.5 g $MgSO_4$: 0.024 g Casein Hydrolysate: 0.5 g Na-Pyruvate: 0.3 g Glucose: 0.5 g Agar: 15 g Starch: 0.5 g	ATCC 8739 ATCC 9027 ATCC 6633 ATCC 25416 ATCC 27511 ATCC 10231	+2 °C to +25 °C
1463930006	Sabouraud Dextrose (4%) Agar	S	Anim. Tissue (pept. digest): 5 g Casein Peptone (pancr. digest): 5 g Dextrose: 40 g Agar 15 g	ATCC 10231 ATCC 16404	+2 °C to +25 °C
1463940006	Sabouraud Dextrose (4%) Agar	S	Meat Peptone (pept. digest): 5 g Casein Peptone (pancr. digest): 5 g Dextrose: 40 g Chloramphenicol: 50 mg Agar: 15 g	ATCC 10231 ATCC 16404	+2 °C to +25 °C
1463920006	Sabouraud Dextrose Broth	S	Anim. Tissue (pept. digest): 5 g Casein Peptone (pancr. digest): 5 g Dextrose: 40 g Agar: 15 g	ATCC 10231 ATCC 16404	+2 °C to +25 °C
1463660010	Sabouraud Dextrose Broth	S	Peptic Digest of Animal Tissue: 5 g Pancreatic Digest of Casein: 5 g Dextrose: 20 g	ATCC 10231 DSM 70614 ATCC 24102 ATCC 28188	+2 °C to +25 °C

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[2] Make to Stock (**S**) or Make to Order (**O**)
Typical Composition: The medium can be adjusted and/or supplemented according to the performance criteria required.

pH	Shelf Life (days)	Cap Type[1]	Bottle	Filling Vol. (mL)	Bottle Size (mL)	Qty. per Pc.
6.8 to 7.2	360	Screw + S	Glass	350	500	6
6.8 to 7.2	360	Screw + S	Glass	200	250	6
6.9 to 7.3	360	Screw + 3L	Glass	250	250	6
6.8 to 7.2	360	Screw + S	Glass	20	125	10
7.0 to 7.4	360	Screw + 3L	Glass	500	500	6
7.0 to 7.4	180	Screw + 3L	Glass	100	125	10
7.2 to 7.6	360	Screw + 3L	Glass	1000	1000	6
7.6 to 8.0	120	Screw + 3L	Glass	500	1000	6
NA	360	Screw + 3L	Glass	800	1000	6
		Screw + 3L		100	125	10
7.0 to 7.4	300	Screw + 3L	Glass	200	250	6
5.4 to 5.8	270	Screw + 3L	Glass	200	250	6
5.4 to 5.8	270	Screw + 3L	Glass	200	250	6
5.4 to 5.8	270	Screw + 3L	Glass	400	500	6
5.4 to 5.8	360	Screw + 3L	Glass	100	125	10

Bottles

Catalog No.	Product Name (Supplement)	S or O[2]	Composition /L	Performance	Storage
1466280006	Sterile Isopropyl Myristate (IPM)	**S**	Isopropylmyristate: >90% purest, acc. Pharm. Eur. gamma-irradiated	No fertility test	+15 °C to +25 °C
1463750006	Tryptic Soy Agar	**S**	Pancreatic Digest of Casein: 15 g Papaic Digest of Soya Bean: 5 g NaCl: 5 g Agar: 15 g	ATCC 6538 ATCC 8739 ATCC 9027 ATCC 6633 ATCC 8739 ATCC 10231 ATCC 16404	+2 °C to +25 °C
1466260010	Tryptic Soy Agar (LTHTh)	**O**	Casein Peptone: 15 g Soy Peptone: 5 g NaCl: 5 g Agar: 15 g Polysorbate 80: 5 g Lecithin: 0.7 g Histidine: 0.5 g Na-Thiosulfate: 0.5 g	ATCC 8739 ATCC 9027 ATCC 6633 ATCC 6538 ATCC 10231 ATCC 16404	+2 °C to +25 °C
B311-150-S	Tryptic Soy Broth	**O**	Casein: 17 g Soy: 3 g Dextrose: 2.5 g Sodium Chloride: 5 g Dipotassium Phosphate: 2.5 g	ATTCC 6633 ATTCC 25922 ATTCC 9341 ATTCC 27853 ATTCC 9027 ATTCC 225923 ATTCC 6538 ATTCC 12228 ATTCC 13048 ATTCC 12453 ATTCC 19404 ATTCC 14028 ATTCC 10231 ATTCC 16404	+2 °C to +25 °C
STBMTSB12	Tryptic Soy Broth	**S**	Casein peptone: 17.0 g Soy peptone: 3 g Sodium chloride: 5 g Dibasic potassium phosphate: 2.5 g Monohydrated/Anhydrous dextrose: 2.5 g/2.3 g	ATCC 6633 ATCC 10231 ATCC 16404 ATCC 6538 ATCC 9027	+2 °C to +25 °C
STBMTSB12DP (double packed)		**S**			
1466100006	Tryptic Soy Broth	**O**	Casein Peptone: 17 g Soy Peptone: 3 g Glucose * H_2O: 2.5 g K_2HPO_4: 2.5 g NaCl: 5 g	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C
1464390020	Tryptic Soy Broth	**O**	Casein Peptone: 17 g Soy Peptone: 3 g Glucose: 2.5 g Meat Peptone: 0.5 g Tween® 80: 15 g Histidine: 0.5 g NaCl: 5 g KH_2PO_4: 4.3 g Na_2HPO_4: 3.6 g Cysteine: 1.449 g Lecithin: 1.5 g	ATCC 6538 ATCC 8739 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C
1465910006	Tryptic Soy Broth	**O**	Casein Peptone: 17 g K_2HPO_4: 2.5 g Soy Peptone: 3 g NaCl: 5 g Glucose: 2.5 g	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C
1463420006		**S**			

[1] Flip + S = flip cap with septum, Screw + 3L = Screw cap 3 loci, Screw + S = screw cap with septum, Screw + WN = screw cap for wide Neck, Screw = screw cap
[2] Make to Stock (**S**) or Make to Order (**O**)
Typical Composition: The medium can be adjusted and/or supplemented according to the performance criteria required.

pH	Shelf Life (days)	Cap Type[1]	Bottle	Filling Vol. (mL)	Bottle Size (mL)	Qty. per Pc.
NA	180	Flip + S	Glass	360	500	6
7.1 to 7.5	360	Screw + 3L	Glass	400	500	6
7.1 to 7.5	360	Screw + 3L	Glass	100	125	10
7.1 to 7.5	360	Screw + S	Plastic (PC)	150	300	12
7.1 to 7.5	360	Screw + S	Glass	100	125	12
		Screw + S		100	125	12
7.1 to 7.5	360	Flip + S	Glass	250	250	6
7.1 to 7.5	270	Screw + 3L	Glass	180	250	20
7.1 to 7.5	360	Screw + S	Glass	900	1000	6
	360	Screw + S		750	1000	6

Bottles

Catalog No.	Product Name (Supplement)	S or O[2]	Composition /L	Performance	Storage
1463800010	Tryptic Soy Broth	**S**	Pancreatic Digest of Casein: 17 g Papaic Digest of Soya Bean Meal: 3 g Sodium Chloride: 5 g Dipotassium Hydrogen Phosphate: 2.5 g Glucose Monohydrate: 2.5 g	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 1023 ATCC 16404	+2 °C to +25 °C
1466160006		**O**			
1463170010		**S**			
1463170070		**O**			
1463340006		**S**			
1463340030		**O**			
1463350006		**S**			
1463570006		**S**			
1463790006		**S**			
1464580010		**S**			
1464580070		**O**			
1465620006		**O**			
1468180006		**O**			
1464100006	Tryptic Soy Broth (2x concentrated)	**O**	Casein Peptone: 34 g Soy Peptone: 6 g Glucose: 5 g K_2HPO_4: 5 g NaCl: 10 g	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 8739 ATCC 10231 ATCC 16404	+2 °C to +8 °C
B451-100	Tryptic Soy Broth (0.5% Lecithin, 4%Polysorbate 20)	**O**	Casein: 17 g Soy Peptone: 3 g Glucose: 2.5 g Sodium Chloride: 5 g Potassium phosphate dibase: 2.5 g Lecithin: 5 g 20Polysorbate: 40 g	ATTCC 6538 ATTCC 9027 ATTCC 6633 ATTCC 10231 ATTCC 16404	+2 °C to +25 °C
1464390006	Tryptic Soy Broth (LTH)	**O**	Casein Peptone: 17 g Soy Peptone: 3 g Glucose: 2.5 g Meat Peptone: 0.5 g Tween® 80: 15 g Histidine: 0.5 g NaCl: 5 g KH_2PO_4: 4.3 g Na_2HPO_4: 3.6 g Cysteine: 1.449 g Lecithin: 1.5 g	ATCC 6538 ATCC 8739 ATCC 9027 ATCC 6633 ATCC 8739 ATCC 10231 ATCC 16404	+2 °C to +25 °C
1464930006	Tryptic Soy Broth (LTH)	**O**	Pancreatic Digest of Casein: 17 g Papaic Digest of Soya Bean Meal: 3 g NaCl: 5 g Glucose x H20: 2.5 g Lecithin: 3 g K_2HPO_4: 2.5 g Tween® 80: 30 mL Histidine: 1 g	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 8739 ATCC 16404	+2 °C to +25 °C
1466400006	Tryptic Soy Broth (TLHC)	**O**	Casein Peptone: 17 g Soy Peptone: 3 g NaCl 5 g Phosph. Buffer: 2.5 g Glucose: 2.5 g Polysorbate 80: 30 mL Lecithin: 3 g Histidine: 1 g Cysteine: 1 g	ATCC 6538 ATCC 9027 ATCC 10231	+2 °C to +25 °C
1468510006	Tryptic Soy Broth (Tween® 0.1%)	**O**	Casein Peptone: 17 g K_2HPO_4: 2.5 g Soy Peptone: 3 g NaCl: 5 g Glucose: 2.5 g Polysorbate 80: 1 mL	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C
1463760006		**O**			
1467140010	Tryptic Soy Broth (Tween® 0.5%)	**O**	Pancreatic Digest of Casein: 17 g Papaic Digest of Soya Bean Meal: 3 g Sodium Chloride: 5 g Dipotassium Hydrogen Phosphate: 2.5 g Glucose Monohydrate: 2.5 g Polysorbate 80: 5 mL	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C
1468020006		**O**			

[1] Flip + S = flip cap with septum, Screw + 3L = Screw cap 3 loci, Screw + S = screw cap with septum, Screw + WN = screw cap for wide Neck, Screw = screw cap
[2] Make to Stock (**S**) or Make to Order (**O**)
Typical Composition: The medium can be adjusted and/or supplemented according to the performance criteria required.

pH	Shelf Life (days)	Cap Type[1]	Bottle	Filling Vol. (mL)	Bottle Size (mL)	Qty. per Pc.
7.1 to 7.5	360	Screw + S	Glass	100	125	10
	300	Screw + WN		135	275	6
	360	Flip + S		100	100	10
	360	Flip + S		100	100	70
	300	Screw + WN		90	275	6
	300	Screw + WN		90	275	30
	360	Screw + 3L		100	250	6
	360	Screw + WN		100	275	6
	360	Screw + 3L		1000	1000	6
	360	Screw + 3L		100	125	10
	360	Screw + 3L		100	125	70
	360	Flip + S		500	500	6
	360	Screw + S		450	500	6
7.1 to 7.5	360	Screw + 3L	Glass	100	250	6
7.1 to 7.5	360	Screw + S	Plastic (PC)	100	125	12
7.1 to 7.5	270	Screw + 3L	Glass	180	250	6
7.1 to 7.5	360	Screw + 3L	Glass	1000	1000	6
7.1 to 7.5	360	Screw + 3L	Glass	250	250	6
7.1 to 7.5	360	Screw + S	Glass	1000	1000	6
		Screw + 3L		1000	1000	6
7.1 to 7.5	270	Flip + S	Glass	100	125	10
	360	Screw + S		400	500	6

Bottles

Catalog No.	Product Name (Supplement)	S or O[2]	Composition /L	Performance	Storage
1465670012	Tryptic Soy Broth (Tween® 1%)	**O**	Casein Peptone: 20 g Soy Peptone: 3.5 g Glucose: 2.9 g K_2HPO_4: 2.9 g NaCl: 5.9 g Tween® 80: 11.8 g	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C
1466690006	Tryptic Soy Broth (Tween® 1%)	**O**	Pancreatic digest of casein: 17 g Papaic digest soya-bean meal: 3 g Sodium chloride: 5 g Dipotassium hydrogen phospate: 2.5 g Glucose monohydrate: 2.5 g Tween® 80: 10 mL	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C
1464920010	Tryptic Soy Broth TLHC (inactivator B)	**S**	Casein Peptone: 17 g Soy Peptone: 3 g NaCl: 5 g Phosph. Buffer: 2.5 g Glucose Monohydrate: 2.5 g Polysorbate 80: 30 mL Lecithin: 3 g Histidine: 1 g Cysteine: 1 g	ATCC 6538 ATCC 9027 ATCC 6633 ATCC 8739	+2 °C to +25 °C
1468500006	Tryptone Azolectin (TAT) Broth	**O**	Casein peptone Trypt: 20.0 g/L Soy Lecithin: 5.0 g/L Tween® #20 for molecular biology: 40 mL g/L	ATCC 25922 ATCC 10145 ATCC 13311 ATCC 25923	+2 °C to +25 °C

[1] Flip + S = flip cap with septum, Screw + 3L = Screw cap 3 loci, Screw + S = screw cap with septum, Screw + WN = screw cap for wide Neck, Screw = screw cap
[2] Make to Stock (**S**) or Make to Order (**O**)
Typical Composition: The medium can be adjusted and/or supplemented according to the performance criteria required.

pH	Shelf Life (days)	Cap Type[1]	Bottle	Filling Vol. (mL)	Bottle Size (mL)	Qty. per Pc.
7.1 to 7.5	360	Screw	Glass	850	1000	12
7.1 to 7.5	360	Screw + S	Glass	500	500	6
7.1 to 7.5	360	Screw + 3L	Glass	90	125	10
7.0 to 7.4	360	Screw + S	Glass	200	250	6

Tubes

Catalog No.	Product Name (Supplement)	S or O[3]	Composition /L	Performance	Storage
F430-09	Butterfields Phosphate Buffer	**S**	Potassium Phosphate Monobasic: 1 g Sodium Phosphate Dibasic: 3.25 g	N/A	+2 °C to +25 °C
F430-90		**S**			
F430-99		**S**			
1462200100	Fluid Thioglycollate Medium	**S**	Casein Peptone: 15 g Yeast Extract: 5 g NaCl: 2.5 g Glucose Anhydrous: 5 g Sodium-Thioglycolate: 0.5 g L-Cystine: 0.5 g Resazurin: 1 mg Agar: 0.75 g	ATCC 19404 ATCC 11437 ATCC 6538 ATCC 9027	+2 °C to +25 °C
1462240100		**O**			
1461390100	Fluid Thioglycollate Medium	**S**	Casein Peptone: 15 g Yeast Extract: 5 g Glucose Anhydrous: 5 g Sodium-Thioglycolate: 0.5 g L-Cystine: 0.5 g Resazurin: 1 mg Agar: 0.75 g Sodium Chloride: 2.5 g	ATCC 6538 ATCC 9027 ATCC 11437 ATCC 19404	+2 °C to +25 °C
1463270100	NaCl Peptone Broth	**S**	Casein Peptone: 1 g Sodium Chloride: 8.5 g	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 6633 ATCC 10231	+2 °C to +25 °C
1461410020	NaCl Peptone Buffer	**S**	Peptone: 1 g KH2PO4: 3.6 g Na2HPO4 . 2H2O: 7.2 g NaCl: 4.3 g	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 6633 ATCC 10231	+2 °C to +25 °C
1461960100		**S**			
1461750100	NaCl Peptone Buffer (LTH)	**S**	Peptone: 1 g Lecithin: 3 g K2HPO4: 3.6 g Tween 80: 30 g Na2HPO4 . 2H2O: 7.2 g Histidine: 1 g Sodium Chloride: 4.3 g	ATCC 6538 ATCC 8739 ATCC 9027 ATCC 10231 ATCC 8739 ATCC 6633 ATCC 19404	+2 °C to +25 °C
1461930100	NaCl Solution (phys.)	**S**	Sodium Chloride 9 g	ATCC 6538 ATCC 8739	+2 °C to +25 °C
1462170100					
1462890100	Nutrient Agar	**S**	Meat Peptone: 10 g Sodium Chloride: 5 g Meat Extract: 10 g Agar: 16 g	ATCC 6538 ATCC 8739 ATCC 9027 ATCC 12344 ATCC 19433	+2 °C to +25 °C
1463030100	Sabouraud Dextrose Agar	**S**	Animal Tissue (pept. digest): 5 g Casein Peptone (pancr. digest): 5 g Dextrose: 40 g Agar: 15 g	ATCC 10231 ATCC 9763 ATCC 16404	+2 °C to +25 °C
1464290020	Tryptic Soy Agar	**S**	Pancreatic Digest of Casein: 15 g Papaic Digest of Soya Bean: 5 g Sodium Chloride: 5 g Agar: 15 g	ATCC 6538 ATCC 9027 ATCC 8739 ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C
1464290100		**S**			
1462840100	Tryptic Soy Broth	**O**	Casein Peptone: 8.5 g NaCl: 2.5 g Soy Peptone: 1.5 g K_2HPO_4: 1.25 g Glucose: 1.25 g	ATCC 6538 ATCC 8739 ATCC 9027 ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C

[1] Screw + 2L = Screw cap 2 loci
[2] Screw + S = Screw cap with septum
[3] Make to Stock (**S**) or Make to Order (**O**)

PH	Shelf Life (days)	Catalog No.	Cap Type[1]	Shape	Filling Vol. (mL)	Size (mL)	Qty. per Pc.
7.0 to 7.4	360	F430-09	Flip Top	Plastic Vial	9	12	100
		F430-90			90	120	50
		F430-99			99	120	50
6.9 to 7.3	180	1462200100	Screw + 2L	Tube	9	17	100
		1462240100			15	25	100
6.9 to 7.3	180	1461390100	Screw + 2L	Tube	10	17	100
6.5 to 7.5	360	1463270100	Screw + 2L	Tube	9	17	100
6.8 to 7.2	360	1461410020	Screw + 2L	Tube	9.9	17	20
		1461960100			9	17	100
6.8 to 7.2	360	1461750100	Screw + 2L	Tube	9	17	100
6.5 to 7.5	360	1461930100	Screw + 2L	Tube	9	17	100
		1462170100			10	17	100
7.1 to 7.5	360	1462890100	Screw + 2L	Tube	18	25	100
5.4 to 5.8	360	1463030100	Screw + 2L	Tube	18	25	100
7.1 to 7.5	360	1464290020	Screw + 2L	Tube	18	25	20
		1464290100					100
7.1 to 7.5	360	1462840100	Screw + 2L	Tube	9	12	100

Tubes

Catalog No.	Product Name (Supplement)	S or O[3]	Composition /L	Performance	Storage
1462060100	Tryptic Soy Broth	**O**	Pancreatic Digest of Casein: 17 g Papaic Digest of Soya Bean Meal: 3 g Sodium Chloride: 5 g Dipotassium Hydrogen Phosphate: 2.5 g Glucose Monohydrate: 2.5 g	ATCC 6633 ATCC 10231 ATCC 16404	+2 °C to +25 °C
1464320100		**S**		ATCC 6633 ATCC 6538 ATCC 9027 ATCC 7953 ATCC 16404 ATCC 10231	+2 °C to +25 °C
1462830020	Tryptic Soy Broth (LTHTh)	**S**	Casein Peptone: 17 g Histidine: 1 g Soy Peptone: 3 g Polysorbate 80: 30 mL Glucose: 2.5 g Lecithin: 3 g K_2HPO_4: 2.5 g Sodium-Thiosulfate: 5 g Sodium Chloride: 5 g	ATCC 6538 ATCC 8739 ATCC 9027 ATCC 6633	+2 °C to +25 °C
1462830100		**S**			

[1] Screw + 2L = Screw cap 2 loci
[2] Screw + S = Screw cap with septum
[3] Make to Stock (**S**) or Make to Order (**O**)

Literature and Pharmacopeia References

1. European Pharmacopoeia 11.0 (2023): 2.6.1. Sterility.
2. Guidance for Industry (2004): Sterile Drug Products Produced by Aseptic Processing - Current Good Manufacturing Practice. PDA Technical Report No. 13 (2014 Revised): Fundamentals of an Environmental Monitoring Program.
3. United States Pharmacopoeia 43 (2021): <71> Sterility Tests.
4. European Pharmacopeia, 2.6.1 Sterility, 2.6.12 & 2.6.13. Microbiological examination of non-sterile products
5. United States Pharmacopeia, <71> Sterility tests, <61> & <62> Microbiological examination of non-sterile products; <1227> Validation of microbial recovery from pharmacopeial articles
6. Japanese Pharmacopeia, 4.06 Sterility test

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PH	Shelf Life (days)	Catalog No.	Cap Type[1]	Shape	Filling Vol. (mL)	Size (mL)	Qty. per Pc.
7.1 to 7.5	360	1462060100	Screw + 2L	Tube	15	25	100
7.1 to 7.5	360	1464320100	Screw + 2L	Tube	9	17	100
7.1 to 7.5	360	1462830020	Screw + 2L	Tube	10	17	20
		1462830100					100

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