

# labkem

CULTURE MEDIA FOR INDUSTRIAL MICROBIOLOGY

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LABKEM includes culture media for Industrial Microbiology, divided into:

I - GENERAL USE CULTURE MEDIA

II - SPECIFIC USE CULTURE MEDIA

III - INGREDIENTS

IV - CULTURE MEDIA FOR MOLECULAR BIOLOGY

The aim of this brochure is to present the entire range of LABKEM culture media. The simple and visual tables will help the end user to understand the references and products and to know which media or supplement is suitable for each application.

	<i>Clostridium perfringens</i>	Colliforms	Enterobacteria	<i>Escherichia coli</i>	<i>Lactobacillus</i>	<i>Listeria monocytogenes</i>	<i>Salmonella / Shigella</i>	<i>Staphylococcus aureus</i>
Meat & Fish Industry	X	X	X	X	X	X	X	X
Water & Beverages	X	X	X	X		X		
Dairy Products		X	X	X	X	X	X	X
Bakery		X	X	X		X	X	X
Processed Foods		X	X	X		X	X	X
Beer Industry			X	X		X		
Wines								
Waste Water		X	X	X				
Cosmetic Industry		X	X	X				X
Pharmaceutical Industry			X	X			X	X



GENERAL USE media are used in applications for a wide variety of species.

Here are the different GENERAL USE culture media in LABKEM offered, and for what applications they are used:



Reference	Capacity	Description	Application	Reference method
AGDS-0EP-500	500 g	Saboraud Dextrose Agar BAC Ph. Eur.	Cultivation	Ph. Eur
AGSC-00P-500	500 g	Sabouraud Dextrose w/ Chloramphenicol Agar BAC	Cultivation - Isolation	
AGST-0EP-500	500 g	Trypticasein Soy Agar (TSA) BAC Ph. Eur.	General Bacteriology Methods	Ph. Eur
STRB-0EP-500	500 g	Trypticasein Soy Broth (TSB) BAC Ph. Eur.	Cultivation	Ph. Eur
AGPT-0EP-500	500 g	Buffered Peptone Water BAC Ph. Eur.	Diluent for the Homogenization of Samples	Ph. Eur
AGPT-0DI-500	500 g	Buffered Peptone Water BAC ISO-6579, ISO-22964, ISO-6887, ISO-19250, DIN-10181, DIN-10160	Diluent for the Homogenization of Samples	ISO 6579 ISO 22964 ISO 6887 ISO 19250 DIN 10181 DIN 10160

SPECIFIC USE culture media are used in applications for a specific species or 2 species in some cases.

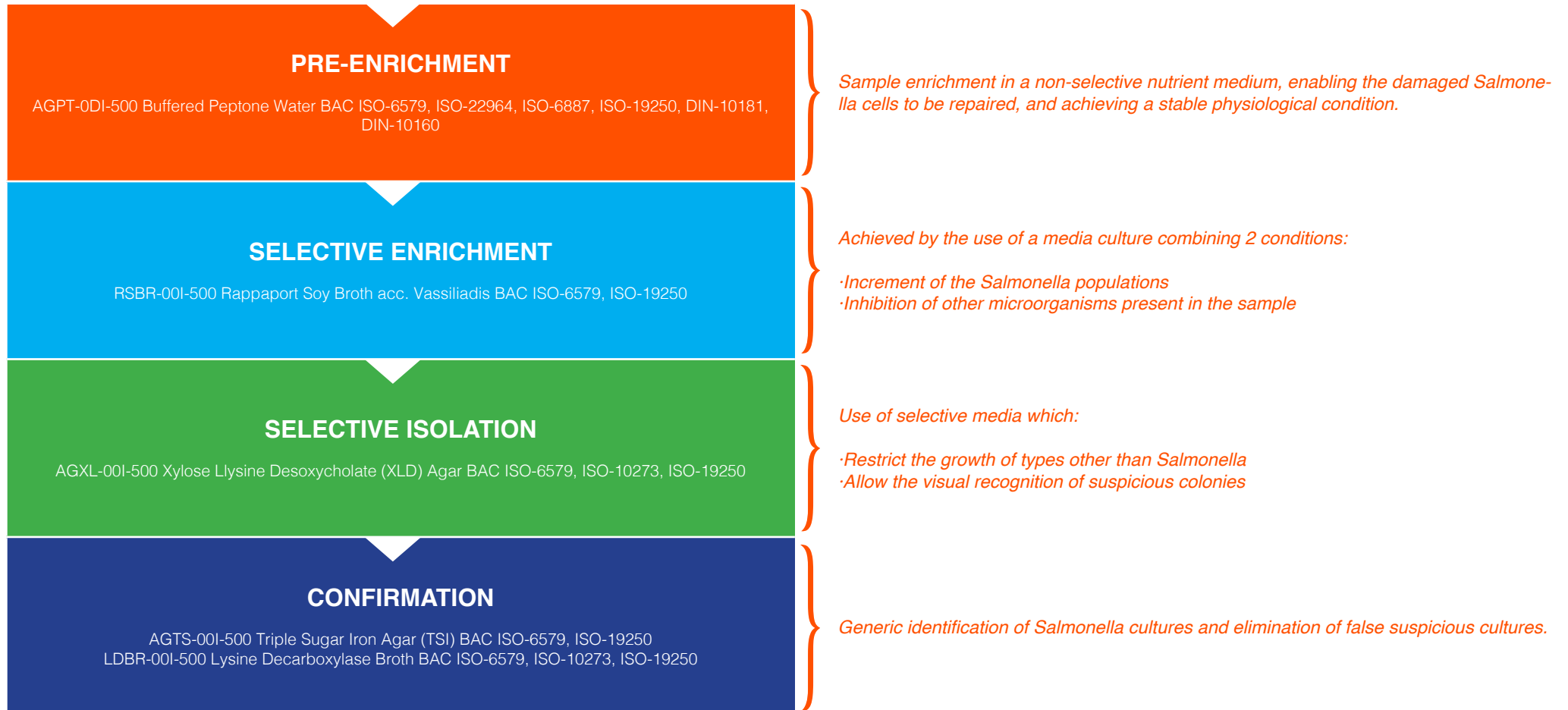
Here are the different SPECIFIC USE culture media LABKEM offers, indicating for which applications, in which industrial field and for what species they are used:

Reference	Supplement Ref.	Capacity	Description	Application	Industry	Reference method	Species								
							<i>Clostridium perfringens</i>	<i>Coliforms</i>	<i>Enterobacteria</i>	<i>Escherichia coli</i>	<i>Lactobacillus</i>	<i>Listeria monocytogenes</i>	<i>Salmonella / Shigella</i>	<i>Staphylococcus aureus</i>	
ABVG-IEP-500		500 g	Violet Red Bile w/ Glucose (VRBG) Agar BAC Ph.Eur, ISO-21528	Cultivation - Enumeration	Food - Pharmaceutical - Water	Ph. Eur ISO 21528			X	X					
ABVL-00I-500		500 g	Violet Red Bile w/ Lactose (VRBL) Agar BAC ISO-4832	Detection - Enumeration	Food - Water	ISO 4832		X		X					
AGCH-00I-500	TTCS-00P-010	500 g	Chapman TTC Agar BAC ISO-9308-1	Enumeration	Water	ISO 9308-1		X		X					
AGTB-00I-500		500 g	Chromogenic Tryptone Bile X-Glucuronide (TBX) Agar BAC ISO-16649-2,3	Detection - Enumeration	Food	ISO 16649-2 ISO 16649-3				X					
AGMC-IEP-500		500 g	Macconkey Agar BAC Ph. Eur., ISO-21567	Isolation - Identification	Food - Pharmaceutical - Water	Ph. Eur ISO 21567			X						
AGMR-00P-500		500 g	Man, Rogosa and Sharpe (MRS) Agar BAC	Cultivation	Food						X				
AGSM-00I-500		500 g	Standard Methods Agar (PCA) BAC ISO-4833	Total microbial plate count	Food										
AGMH-00P-500		500 g	Mueller Hinton Agar BAC	Antibiotic sensitivity test	Pharmaceutical - Health sector										
AGSP-00P-500		500 g	Sulfite Polymyxin Sulfadiazine (SPS) Agar BAC	Isolation	Food		X								
AGXL-0EP-500		500 g	Xylose Llysine Desoxycholate (XLD) Agar BAC Ph. Eur	Isolation										X	
ABBP-0EP-500	EYTS-00P-100	500 g	Baird Parker Agar Base BAC Ph. Eur.	Isolation	Pharmaceutical	Ph. Eur									X
FRLB-0HI-500	FACS-00P-010	500 g	Listeria Enrichment 1/2 Fraser Broth Base BAC ISO-11290-1	Enrichment	Food	ISO 11290-1							X		
FRLB-00I-500	FACS-00I-010	500 g	Listeria Enrichment Fraser Broth Base BAC ISO-11290-1	Enrichment	Food	ISO 11290-1							X		
RSVB-00P-500		500 g	Rappaport Soy Broth acc. Vassiliadis BAC	Selective enrichment	Food - Water									X	
BRGR-00I-500		500 g	Brilliant Green Bile Broth 2% (BRILA) BAC ISO-4831, ISO-4832	Detection	Food - Water	ISO 4831 ISO 4832		X							
ABPA-00I-500	PLSS-00I-010	500 g	Listeria Agar Base Palcam BAC ISO-11290-2	Selective - differential	Food - Water	ISO 11290-2							X		



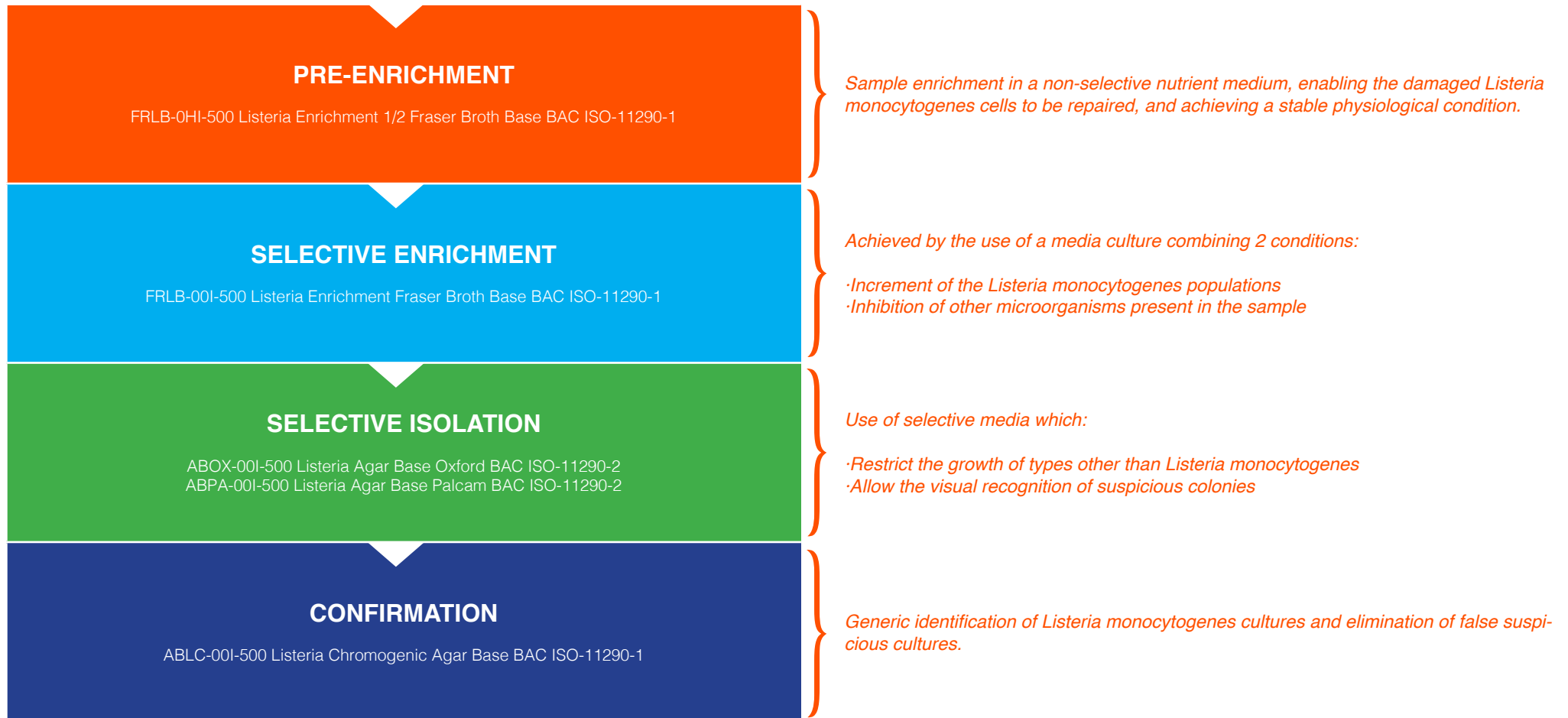
Among the species listed in the SPECIFIC USE culture media section, two are generally more common in the industrial field:

### *Salmonella spp*



Some media are to be used with the supplements listed in the table in section II.

# Listeria monocytogenes



Some media are to be used with the supplements listed in the table in section II.

The ingredients are used as intermediates or additives for the formulation of culture media for a wide range of applications and fields.

Here are the different ingredients LABKEM offers:



Reference	Capacity	Description
AGAG-00P-500	500 g	Agar Agar BAC
YEEX-0MB-500	500 g	Yeast extract BAC
TRYN-00P-500	500 g	Peptone from Casein (Tryptone) BAC
BACP-00P-500	500 g	Bacteriological peptone BAC

*\*\*Within the range of LABKEM dyes and stains, there are also ingredients involved in culture media formulations, such as crystal violet (GENT-V0D-025) or Lugol (LUGO-00A-250).*



The culture media for MOLECULAR BIOLOGY are used in various procedures such as bacterial transformation, growth, maintenance and isolation, protein expression, etc.

Here are the different culture media for MOLECULAR BIOLOGY offered in LABKEM, indicating which applications they are used for in each case:



Reference	Capacity	Description	Application
AGLB-00P-500	500 g	LB (LENNOX) Agar GEN	TEST E.Coli
AGLU-00P-500	500 g	LURIA Agar (Miller's LB Agar) GEN	TEST E.Coli
LBBR-00P-500	500 g	LB (LENNOX) Broth GEN	TEST E.Coli
LUBR-00P-500	500 g	LURIA Broth (Miller's LB Broth) GEN	TEST E.Coli
TEBR-00P-500	500 g	Terrific Broth GEN	Cultivo E.Coli / Cultivation E.Coli / Culture E.Coli
AGAR-D1L-500	500 g	Agarose D1 LOW EEO (electroendosmosis) GEN	Nucleic acid analytical and preparative electrophoresis - Blotting - Protein electrophoresis (Radial Immunodiffusion)
AGAR-E00-500	500 g	Agarose E GEN	Separations of DNA and RNA fragments as well as PCR products
AGAR-LMS-100	100 g	Agarose LM-SIEVE GEN	Electrophoresis of DNA fragments $\leq 1000$ bp - In-Gel enzymatic processing (digestion, ligation, PCR) - Preparative electrophoresis - Analysis and recovery of small DNA fragments for further applications
AGAR-MS4-100	100 g	Agarose MS-4 GEN	Improved resolution of DNA $\leq 500$ bp

LABBOX also offers general labware products used suitable for microbiological applications. See the table below to know some of these products:

Reference	Description
GFFC-047-100	Glass microfiber filter, GFFC grade (1,2 µm), Ø47 mm, 100 pcs
GFFA-047-100	Glass microfiber filter, GFFA grade (1,6 µm), Ø47 mm, 100 pcs
MCNE-447-100	Cellulose nitrate membrane Ø 47 mm, Sterile, 0,45 µm, 100 pcs
MCNE-247-100	Cellulose nitrate membrane Ø 47 mm, Sterile, 0,20 µm, 100 pcs
MNFA-003-001	Stainless steel filter manifold, 3 branches
MNFA-006-001	Stainless steel filter manifold, 6 branches
FUC3-047-001	Glass filter holder for 47 mm disc filters
FUSS-047-001	Sainless steel filter holder for 47 mm disc filters
LOOH-E01-1K0	Inoculation loops, calibrated, 1 µl neutral color, sterile, 10 pcs/peel pack, 10 x 100 pcs/pack
LOOH-E01-500	Inoculation loops, calibrated, 1 µl neutral color, sterile, 1 pc/peel pack, 500 pcs/pack
LOOH-E10-1K0	Inoculation loops, calibrated, 10 µl blue color, sterile, 10 pcs/peel pack, 1000 pcs/pack
LOOH-E10-500	Inoculation loops, calibrated, 10 µl blue color, sterile, 1 pcs/peel pack, 500 pcs/pack
PDIP-09N-500	Petri dishes, Ø90x15 mm, Polystyrene, aseptic, without vents, 500 pcs
PDIP-E9N-500	Petri dishes, Ø90x15 mm, Polystyrene, sterile, without vents, 500 pcs
PDIP-090-500	Petri dishes, Ø90x15 mm, Polystyrene, aseptic, with 3 vents, 500 pcs
PDIP-E90-500	Petri dishes, Ø90x15 mm, Polystyrene, sterile, with 3 vents, 500 pcs
PDIP-091-575	Petri dishes, Ø90x14 mm, Polystyrene, aseptic, with 3 vents, 575 pcs
PDIP-E91-575	Petri dishes, Ø90x14 mm, Polystyrene, sterile, with 3 vents, 575 pcs
MSHN-030-001	Staining jar, acc. to Hausser-Gedigk, for 30 slides
MSHN-060-001	Staining jar, acc. to Hausser-Gedigk, for 60 slides
MSSN-001-001	Staining jar, acc. to Coplin, for 5 slides
MSSN-002-001	Staining jar, acc. to Schieferdecker, for 10 slides
MSSN-003-001	Staining jar, acc. to Hellendahl, for 8 slides

Reference	Description
SLIU-005-050	Microscope slides cut edges, Basic Line, 26x76mm (1.0-1.2), corners 90°, 50 pcs.
SLIG-005-050	Microscope slides ground edges, Basic Line, 26x76mm (1.0-1.2), corners 45°, 50 pcs.
SLIF-005-050	Microscope slides ground edges, single frosted, Basic Line, 26x76mm (1.0-1.2), corners 90°, 50 pcs.
SLIU-010-050	Microscope slides cut edges Standard Line, 26x76mm (1.0-1.2), 50 pcs.
SLIG-010-050	Microscope slides ground edges Standard Line, 26x76mm (1.0-1.2), 50 pcs.
SLIF-010-050	Microscope slides, ground edges, single frost, Standard Line, 26x76mm (1.0-1.2), 50 pcs
SLIU-D10-050	Microscope slides, cut edges, double frosted, Standard Line, 26x76mm (1.0-1.2), corners 90°, 50 pcs
SLIF-D10-050	Microscope slides, ground edges, double frosted, Standard Line, 26x76mm (1.0-1.2), corners 45°, 50 pcs
SLIB-G10-050	Microscope slides, beveled edges, Premium Line, 26x76mm (1.0-1.2), 50 pcs
SLIB-F10-050	Microscope slides, beveled edges, single frost, Premium Line, 26x76mm (1.0-1.2), 50 pcs
SLIB-B10-050	Microscope slides frosted end both sides, beveled edges, Premium Line, 26x76mm(1.0-1.2), 50 uds