



**Biolife**

**EQUIVALENCE TABLE BETWEEN ISO RECOMMENDED CULTURE MEDIA AND BIOLIFE CULTURE MEDIA MICROBIOLOGICAL METHODS FOR FOOD AND FEEDING STUFFS.**

rev 6-06/2016

APPLICATION	ISO CULTURE MEDIA AND REAGENTS	BIOLIFE CULTURE MEDIA AND REAGENTS	REFERENCES OF AVAILABLE BIOLIFE PRODUCTS					
			Powder	Supplements	Plates	Tubes	Flasks/ Reagent	
<b>SAMPLE PREPARATION</b> ISO 6887-1:1999 ISO 6887-2:2003 ISO 6887-3:2003 ISO 6887-4:2003 ISO 6887-5:2010 ISO 6887-6:2013 ISO 7218:2007	PEPTONE SALT SOLUTION	MAXIMUM RECOVERY DILUENT	401691					
	BUFFERED PEPTONE WATER*	BUFFERED PEPTONE WATER	401278					
	DIPOTASSIUM HYDROGEN PHOSPHATE DILUENT		NA					
	SODIUM CITRATE DILUENT		NA					
	PEPTONE SOLUTION	TRYPTONE	412290					
	QUARTER-STRENGTH RINGER'S SOLUTION		NA					
	Details: Peptone Salt Solution Peptone Salt Solution Sodium citrate or di-potassium hydrogen phosphate pH 7.5 Peptone Salt Solution (room temperature) Peptone Salt Solution(pre-warmed to about 45°C) Di-potassium hydrogen phosphate pH 7.5 Di-potassium hydrogen phosphate pH 7.5 Peptone Salt Solution Di-potassium hydrogen phosphate pH 8.4 Di-potassium hydrogen phosphate pH 7.5 Peptone Salt Solution (pre-warmed to 40°C)	Milk Liquid milk products  Cheese & processed cheese Frozen milk products including edible ices Butter Fermented milk, yoghurt, sour cream Dried milk Dried sweet whey, dried buttermilk, lactose Acid casein, lactic casein acid whey powder Caseinate Chocolate and Chocolate confectionary						
	*: may be used instead of PSS for preparation of the homogenate when a single 10-1 homogenate is made for both detection of Salmonella and enumeration of other organisms							
	<b>ENUMERATION OF MICROORGANISMS AT 30°C</b>  4833-1:2013 Colony count at 30 °C by the pour plate technique ISO 4833-2:2013 Colony count at 30 degrees C by the surface plating technique	PLATE COUNT AGAR (PCA)	TRYPTIC GLUCOSE YEAST AGAR	402145				
		OVERLAY MEDIUM	AGAR BIOS LL	411030				
PLATE COUNT AGAR (PCA)+SKIMMED MILK		PLATE COUNT AGAR WITH SKIM MILK	401918					
<b>ENUMERATION OF PSICOTROPHIC MICROORGANISMS</b> ISO 17410:2001 Enumeration	PLATE COUNT MEDIUM	TRYPTIC GLUCOSE YEAST AGAR	402145					
<b>BACILLUS CEREUS</b> ISO 7932:2004 Colony-count technique at 30°C	MYP AGAR	BACILLUS CEREUS AGAR BASE MYP BACILLUS CEREUS ANTIMICROBIC SUPPL. EGG YOLK EMULSION BACILLUS CEREUS SELECTIVEAGAR MYP	401111	4240001 42111605				
	SHEEP BLOOO AGAR	BLOOD AGAR BASE N° 2	401156					

APPLICATION	ISO CULTURE MEDIA AND REAGENTS	BIOLIFE CULTURE MEDIA AND REAGENTS	REFERENCES OF AVAILABLE BIOLIFE PRODUCTS				
			Powder	Supplements	Plates	Tubes	Flasks/ Reagent
<b>BACILLUS CEREUS</b> ISO 21871:2006 Method for the determination of low numbers of presumptive Bacillus cereus — Most probable number technique and detection method	TRYPTONA SOYA POLYMYXIN BROTH (TSPB)	TRYPTIC SOY BROTH	402155				
		BACILLUS CEREUS ANTIMICROBIC SUPPL.		4240001			
	POLYMYXIN PYRUVATE EGG YOLK MANNITOL BROMOTHYMOL BLUE AGAR	BACILLUS CEREUS AGAR BASE PEMBA BACILLUS CEREUS ANTIMICROBIC SUPPL. EGG YOLK EMULSION BACILLUS CEREUS SELECTIVEAGAR PEMBA	401112	4240001 42111605			
	MANNITOL EGG YOLK POLYMYXIN AGAR (MYP)	BACILLUS CEREUS AGAR BASE MYP BACILLUS CEREUS ANTIMICROBIC SUPPL. EGG YOLK EMULSION BACILLUS CEREUS SELECTIVEAGAR MYP	401111	4240001 42111605			
	SHEEP BLOOO AGAR	TRYPTIC SOY AGAR BLOOD AGAR SHEEP	402150				
<b>BROCHOTHRIX THERMOSPACTA</b> ISO 13969:2003 IDF 183:2003	STAA	STAA AGAR BASE	402079				
	OXIDASE TEST	STAA SELECTIVE SUPPLEMENT OXIDASE TEST STRIPS		4240052			
<b>CAMPYLOBACTER</b> ISO 10272-1:2006 Detection method	BOLTON BROTH	CAMPYLOBACTER ENRICH. BASE BROTH-BOLTON LYSED HORSE BLOOD BOLTON BROTH SUPPLEMENT	401286B	90HLX100 420025			
	MODIFIED CHARCOAL CEFOPERAZONE DEOXYCHOLATE AGAR (MCCD AGAR)	CAMPY. BLOOD FREE MEDIUM BASE BOLTON BOLTON CCDA ANTIMICROBRIC SUPPL. CAMPYLOBACTER BLOOD FREE AGAR (CCDA)	401282	4240020			
	SECOND SELECTIVE PLATEING MEDIUM	CAMPY. BLOOD FREE MEDIUM BASE KARMALI KARMALI SELECTIVE SUPPLEMENT CAMPYLOBACTER BLOOD FREE AGAR KARMALI	401283	4240035			
	COLUMBIA BLOOD AGAR	COLUMBIA BLOOD AGAR BASE COLUMBIA BLOOD AGAR SHEEP	401136				
	BRUCELLA BROTH	BRUCELLA BROTH (ALBIMI)	401274				
	MUELLER HINTON BLOOD AGAR	MUELLER HINTON AGAR II MUELLER HINTON BLOOD AGAR SHEEP	401740				
<b>CAMPYLOBACTER</b> ISO/TS 10272-2:2006 Colony count method	MODIFIED CHARCOAL CEFOPERAZONE DEOXYCHOLATE AGAR (MCCD AGAR)	CAMPY. BLOOD FREE MEDIUM BASE BOLTON BOLTON CCDA ANTIMICROBRIC SUPPL. CAMPYLOBACTER BLOOD FREE AGAR (CCDA)	401282	4240020			
	COLUMBIA BLOOD AGAR	COLUMBIA BLOOD AGAR BASE COLUMBIA BLOOD AGAR SHEEP	401136				
	BRUCELLA BROTH	BRUCELLA BROTH (ALBIMI)	401274				

APPLICATION	ISO CULTURE MEDIA AND REAGENTS	BIOLIFE CULTURE MEDIA AND REAGENTS	REFERENCES OF AVAILABLE BIOLIFE PRODUCTS				
			Powder	Supplements	Plates	Tubes	Flasks/ Reagent
<b>CAMPYLOBACTER</b> ISO/TS 10272-3:2010 Semi quantitative detection	BOLTON BROTH	CAMPYLOBACTER ENRICH. BASE BROTH-BOLTON LYSED HORSE BLOOD BOLTON BROTH SUPPLEMENT	401286B	90HLX100 420025			
	MODIFIED CHARCOAL CEFOPERAZONE DEOXYCHOLATE AGAR (MCCD AGAR)	CAMPY. BLOOD FREE MEDIUM BASE BOLTON BOLTON CCDA ANTIMICROBRIC SUPPL. CAMPYLOBACTER BLOOD FREE AGAR (CCDA)	401282	4240020			
	COLUMBIA BLOOD AGAR	COLUMBIA BLOOD AGAR BASE COLUMBIA BLOOD AGAR SHEEP	401136				
	BRUCELLA BROTH	BRUCELLA BROTH (ALBIMI)	401274				
	MUELLER HINTON BLOOD AGAR	MUELLER HINTON AGAR II MUELLER HINTON BLOOD AGAR SHEEP	401740				
<b>CLOSTRIDIUM PERFRINGENS</b> ISO 7937:2004 Colony count technique	SULFITE-CYCLOSERINE AGAR (SC)	TSC AGAR BASE D-CYCLOSERINE ANTIMICROBIC SUPPL.	402158	4240002			
	FLUID THIOGLYCOLLATE MEDIUM	THIOGLYCOLLATE MEDIUM USP	402137				
	LACTOSE SULFITE MEDIUM (LS)	LACTOSE SULFITE MEDIUM	401579				
	NITRATE MOTILITY MEDIUM	MOTILITY NITRATE CP MEDIUM	401726				
	LACTOSE GELATIN MEDIUM	LACTOSE GELATIN MEDIUM	401576				
<b>COLIFORMS</b> ISO 4832:2006 Colony-count technique	CRYSTAL VIOLET NEUTRAL RED BILE LACTOSE (VRBL) AGAR	VIOLET RED BILE AGAR	402185				
	BRILLIANT GREEN LACTOSE BILE BROTH	BRILLIANT GREEN BILE BROTH 2%	401265				
<b>COLIFORMS</b> ISO 4831:2006 Most probable number technique	LAURYL SULFATE TRYPTOSE BROTH	LAURYL PEPTO BIOS BROTH	401580				
	BRILLIANT GREEN LACTOSE BILE BROTH	BRILLIANT GREEN BILE BROTH 2%	401265				
<b>CRONOBACTER SAKAZAKII MILK AND MILK PRODUCTS</b> ISO/TS 22964:2006 IDF/RM 210: 2006 Detection	BUFFERED PEPTONE WATER (BPW)	BUFFERED PEPTONE WATER	401278				
	MODIFIED LAURYL SULFATE TRYPTOSE BROTH (mLST) VANCOMYCIN MEDIUM	ENTEROBACTER SAKAZAKII SELECTIVE BROTH (ESSB) ISO FORMULATION VANCOMYCIN ANTIMICROBIC SUPPLEMENT	401476	4240057			
	ENTEROBACTER SAKAZAKII ISOLATION AGAR (ESIA)	ENTEROBACTER SAKAZAKII ISOLATION AGAR (ESIA)	401478				
<b>ESCHERICHIA COLI</b> ISO 7251:2005 Most probable number technique	LAURYL SULFATE BROTH	LAURYL PEPTO BIOS BROTH	401580				
	EC BROTH	EC BROTH	401425				
	PEPTONE WATER INDOLE FREE INDOLE REAGENT	PEPTONE-TRYPTONE WATER KOVACS' REAGENT	401891				
	MINERALS MODIFIED GLUTAMATE MEDIUM	MINERALS MODIFIED GLUTAMATE MEDIUM	401737				
<b>E.COLI β-GLUCURONIDASE POSITIVE</b> ISO 16649-1:2001 Colony-count technique at 44 degrees C using membranes	TRYPTONE BILE GLUCURONIDE AGAR	SODIUM GLUTAMATE TRYPTONE BILE X-GLUC AGAR (TBX)	402156	412364			
	TRYPTONE BILE GLUCURONIDE AGAR	TRYPTONE BILE X-GLUC AGAR (TBX)	402156				
<b>E.COLI β-GLUCURONIDASE POSITIVE</b> ISO 16649-2:2001 Colony-count technique at 44 degrees	TRYPTONE BILE GLUCURONIDE AGAR	TRYPTONE BILE X-GLUC AGAR (TBX)	402156				

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			Powder	Supplements	Plates	Tubes	Flasks/ Reagent
<b>E. COLI β-GLUCURONIDASE POSITIVE</b> ISO 16649-3:2015 Detection and most probable number technique	MINERALS MODIFIED GLUTAMATE MEDIUM	MINERALS MODIFIED GLUTAMATE MEDIUM	401737				
	TRYPTONE BILE GLUCURONIDE AGAR	SODIUM GLUTAMATE TRYPTONE BILE X-GLUC AGAR (TBX)	402156	412364			
<b>ESCHERICHIA COLI O157</b> ISO 16654:2001 Detection	MODIFIED TRYPTONE SOYA BROTH WITHNOVOBIOCIN	TRYPTIC SOY BROTH MODIFIED (m-TSB) NOVOBIOCIN ANTIMICROBIC SUPPLEMENT	402155M	4240045			
	TC-SMAC	MAC CONKEY SORBITOL AGAR CEFIXIME TELLURITE O157 SUPPLEMENT	401669S	42ISEC			
	NUTRIENT AGAR	NUTRIENT AGAR w/ NaCl	401811				
	TRYPTONE TRYPTOPHANE MEDIUM INDOLE REAGENT	TRYPTONE TRYPTOPHANE MEDIUM KOVACS' REAGENT	402165				
<b>ENTEROBACTERIACEAE</b> ISO 21528-2:2004 Detection and enumeration by MPN technique with pre-enrichment	BUFFERED PEPTONE WATER (DILUENT)	BUFFERED PEPTONE WATER	401278				
	BUFFERED BRILLIANT GREEN BILE GLUCOSE BROTH (EE BROTH)	EE BROTH MOSSEL	401466				
	VIOLET RED BILE GLUCOSE (VRBG) AGAR	VIOLET RED BILE GLUCOSE AGAR	402188				
	NUTRIENT AGAR	NUTRIENT AGAR w/ NaCl	401811				
	GLUCOSE AGAR	PURPLE GLUCOSE AGAR	401970				
<b>ENTEROBACTERIACEAE</b> ISO 21528-2:2004 Colony-count method	VIOLET RED BILE GLUCOSE (VRBG) AGAR	VIOLET RED BILE GLUCOSE AGAR	402188				
	NUTRIENT AGAR	NUTRIENT AGAR w/ NaCl	401811				
	GLUCOSE AGAR	PURPLE GLUCOSE AGAR	401970				
<b>LACTOBACILLUS ACIDOPHILUS</b> ISO 20128:2006 IDF 192:2006 Colony-count technique at 37 °C	MRS/CLINDAMYCIN/CIPROFLOXACIN AGAR (MRS/CL/CIP AGAR)	MRS AGAR WITH TWEEN 80  CLYNDAMICIN AND CIPROFLOXACIN	401728  NA				
	<b>LISTERIA MONOCYTOGENES</b> ISO 11290-1:1996 / Amd 1:2004 Detection	HALF FRASER BROTH	FRASER BROTH BASE FRASER HALF SELECTIVE SUPPLEMENT LISTERIA FRASER HALF BROTH	401495	4240044		
FRASER BROTH		FRASER BROTH BASE FRASER SELECTIVE SUPPLEMENT LISTERIA FRASER BROTH	401495	4240043			
AGAR LISTERIA ACC.TO OTTAVIANI AGOSTI (ALOA)		AGAR LISTERIA ACC.TO OTTAVIANI AGOSTI (ALOA®) ALOA® SELECTIVE ENRICHMENT SUPPL. ALOA® AGAR LISTERIA ACC.TO OTTAVIANI AGOSTI	401605	423501			
SECOND SELECTIVE MEDIUM		LISTERIA PALCAM AGAR BASE PALCAM SELETIVE SUPPLEMENT LISTERIA SELECTIVE AGAR (PALCAM) or LISTERIA OXFORD AGAR BASE OXFORD ANTIMICROBIC SUPPLEMENT LISTERIA SELECTIVE AGAR (OXFORD)	401604  401600	4240042  4240038			
TSYEA		TRYPTIC SOY YEAST EXTRACT AGAR	402166				
TSYEB		TRYPTIC SOY YEAST EXTRACT BROTH	402165				

APPLICATION	ISO CULTURE MEDIA AND REAGENTS	BIOLIFE CULTURE MEDIA AND REAGENTS	REFERENCES OF AVAILABLE BIOLIFE PRODUCTS				
			Powder	Supplements	Plates	Tubes	Flasks/ Reagent
	SHEEP BLOOD AGAR	BLOOD AGAR BASE N° 2	401156				
	CARBOHYDRATE UTILISATION BROTH	FERMENTATION BROTH BASE	401488				
	MOTILITY AGAR		NA				
	PHOSPHATE BUFFERED SALINE		NA				
LISTERIA MONOCYTOGENES  ISO 11290-2:1998 / Amd 1:2004 Enumeration	BUFFERED PEPTONE WATER or BASE MEDIUM FOR HALF-FRASER BROTH WITH AMMONIUM IRON(III) CITRATE	BUFFERED PEPTONE WATER or LISTERIA FRASER BROTH BASE HALF CONCENTRATION LISTERIA FRASER SUPPLEMENT (FERRIC AMMONIUM CITRATE)	401278  401594 4240056/4 2185056				
	AGAR LISTERIA ACC.TO OTTAVIANI AGOSTI (ALOA)	AGAR LISTERIA ACC.TO OTTAVIANI AGOSTI (ALOA®) ALOA® SELECTIVE ENRICHMENT SUPPL. ALOA®AGAR LISTERIA ACC.TO OTTAVIANI AGOSTI	401605	423501			
	TSYEA	TRYPTIC SOY YEAST EXTRACT AGAR	402166				
	TSYEB	TRYPTIC SOY YEAST EXTRACT BROTH	402165				
	SHEEP BLOOD AGAR	BLOOD AGAR BASE N° 2	401156				
	CARBOHYDRATE UTILISATION BROTH	FERMENTATION BROTH BASE	401488				
	MOTILITY AGAR		NA				
	PHOSPHATE BUFFERED SALINE		NA				
	MESOPHILIC LACTIC ACID BACTERIA  ISO 15214:1998 Colony count	MRS MEDIUM (DE MAN, ROGOSA AND SHARPE) AT PH 5,7	MRS AGAR WITH TWEEN 80 (pH to be adjusted)	401728			
PSEUDOMONAS - MEAT AND MEAT PRODUCTS ISO 13720:2010 Enumeration of presumptive Pseudomonas spp	CEPHALOTHIN-SODIUM FUSIDATE-CETRIMIDE A	PSEUDOMONAS AGAR BASE	401960				
	OXIDASE TEST	CFC PSEUDOMONAS SUPPLEMENT OXIDASE TEST STRIPS		4240075			
PSEUDOMONAS - MILK AND MILK PRODUCTS  ISO/TS 11059:2009 IDF/RM 225:2009 Method for the enumeration of Pseudomonas spp.	PENICILLIN AND PIMARICIN AGAR (PPA)	PSEUDOMONAS AGAR BASE	401960				
	NUTRIENT AGAR	PP PSEUDOMONAS SUPPLEMENT		4240048			
	GLUCOSE AGAR	NUTRIENT AGAR	401810				
	OXIDASE TEST	PURPLE GLUCOSE AGAR OXIDASE TEST STRIPS	401970				
SALMONELLA  ISO 6579:2002 Detection	BUFFERED PEPTONE WATER	BUFFERED PEPTONE WATER	401278				
	RAPPAPORT-VASSILIADIS MEDIUM WITH SOYA (RVS BROTH)	RAPPAPORT VASSILIADIS SOY (RVS) BROTH	401981				
	MULLER-KAUFFMANN TETRATHIONATE- NOVOBIOCIN BROTH (MKTTN)	MUELLER KAUFFMANN TETRATHIONATE BROTH BASE ISO FORMULATION NOVOBIOCIN MKTT SELECTIVE SUPPLEMENT IODINE SOLUTION MUELLER KAUFFMANN TETRATHIONATE NOVOBIOCIN BROTH	401745	4240047 421501			
	XYLOSE LYSINE DEOXYCHOLATE AGAR (XLD AGAR)	XLD AGAR ISO FORMULATION	402208				

APPLICATION	ISO CULTURE MEDIA AND REAGENTS	BIOLIFE CULTURE MEDIA AND REAGENTS	REFERENCES OF AVAILABLE BIOLIFE PRODUCTS				
			Powder	Supplements	Plates	Tubes	Flasks/ Reagent
	2nd PLATING MEDIUM	CHROMOGENIC SALMONELLA AGAR BASE SALMONELLA SELECTIVE SUPPLEMENT CHROMOGENIC SALMONELLA AGAR	405350	4240013			
	NUTRIENT AGAR	NUTRIENT AGAR	401810				
	TSI AGAR	TRIPLE SUGAR IRON AGAR ISO FORM.	402141S				
	UREA AGAR (CHRISTENSEN)	UREA AGAR BASE CHRISTENSEN UREA 40% SOLUTION UREA AGAR	402175	4240096			
	L-LYSINE DECARBOXYLASE MEDIUM	-	NA				
	VP MEDIUM	MR VP MEDIUM ALPHA NAPHTOL 6% SOLUTION	401735				
	TRYPTONE TRYPROPHAN MEDIUM INDOLE REAGENT	TRYPTONE TRYPTOPHAN MEDIUM KOVACS' REAGENT	402165				
	SEMISOLID NUTRIENT AGAR		NA				
<b>SALMONELLA</b> ISO 6579:2002/Amd 1:2007 Detection in animal faeces and environmental samples	BUFFERED PEPTONE WATER	BUFFERED PEPTONE WATER	401278				
	MODIFIED SEMI-SOLID RAPPAPORT- VASSILIADIS MEDIUM (MSRV)	MSRV MEDIUM BASE  NOVOBIOCIN ANTIMICROBIC SUPPLEMENT (10 mg/L)	401982	4240045			
	XLD AGAR	XLD AGAR ISO FORMULATION	402208				
	2nd PLATING MEDIUM	CHROMOGENIC SALMONELLA AGAR BASE SALMONELLA SELECTIVE SUPPLEMENT CHROMOGENIC SALMONELLA AGAR	405350	4240013			
<b>SALMONELLA</b> ISO/TS 6579-2:2012 Enumeration by a miniaturized most probable number technique	BUFFERED PEPTONE WATER	BUFFERED PEPTONE WATER	401278				
	MODIFIED SEMI-SOLID RAPPAPORT- VASSILIADIS MEDIUM (MSRV)	MSRV MEDIUM BASE  NOVOBIOCIN ANTIMICROBIC SUPPLEMENT (10 mg/L)	401982	4240045			
	XLD AGAR	XLD AGAR ISO FORMULATION	402208				
	2nd PLATING MEDIUM	CHROMOGENIC SALMONELLA AGAR BASE SALMONELLA SELECTIVE SUPPLEMENT CHROMOGENIC SALMONELLA AGAR	405350	4240013			
	NUTRIENT AGAR	NUTRIENT AGAR	401810				
	TSI AGAR	TRIPLE SUGAR IRON AGAR ISO FORM.	402141S				
	UREA AGAR (CHRISTENSEN)	UREA AGAR BASE CHRISTENSEN UREA 40% SOLUTION UREA AGAR	402175	4240096			
	L-LYSINE DECARBOXYLASE MEDIUM	-	NA				
<b>SHIGELLA</b> ISO 21567:2004 Detection	SHIGELLA BROTH	SHIGELLA BROTH BASE NOVOBIOCIN ANTIMICROBIC SUPPLEMENT	402039	4240045			
	MAC CONKEY AGAR	MAC CONKEY AGAR	401670				
	XLD AGAR	XLD AGAR ISO FORMULATION	402208				
	HEKTOEN ENTERIC AGAR	HEKTOEN ENTERIC AGAR	401541				
	NUTRIENT AGAR	NUTRIENT AGAR	401810				
	TSI AGAR	TRIPLE SUGAR IRON AGAR ISO FORMULAT.	402141S				

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			Powder	Supplements	Plates	Tubes	Flasks/ Reagent
	SEMISOLID NUTRIENT AGAR		NA				
	UREA AGAR (CHRISTENSEN)	UREA AGAR BASE CHRISTENSEN UREA 40% SOLUTION UREA AGAR	402175	4240096			
	L-LYSINE DECARBOXYLASE MEDIUM		NA				
	L-ORNITHINE DECARBOXYLASE MEDIUM		NA				
	TRYPTONE DL TRYPTOPHANE MEDIUM		NA				
	BROMOCRESOLE PURPLE BROTH		NA				
	SODIUM ACETATE AGAR		NA				
	CHRISTEMNSEN CITRATE AGAR		NA				
	MUCATE BROTH		NA				
	CONTROL BROTH		NA				
<b>SULFITE REDUCING BACTERIA</b> ISO 15213:2003 Enumeration	IRON SULFITE AGAR	TSC AGAR BASE	402158				
<b>STAPHYLOCOCCI -coagulase positive</b> ISO 6888-1:1999 / Amd 1:2003 Enumeration technique using Baird-Parker agar	BAIRD PARKER AGAR MEDIUM	BAIRD PARKER AGAR BASE	401116	423700			
	BRAIN HEART INFUSION BROTH	BRAIN HEART INFUSION BROTH	401230				
	RABBIT PLASMA	COAGULASE PLASMA EDTA					
<b>STAPHYLOCOCCI -coagulase positive</b> ISO 6888-2:1999 /Amd 1:2003 Enumeration technique using RPF agar	RABBIT PLASMA FIBRINOGEN AGAR MEDIUM	BAIRD PARKER AGAR BASE RPF SUPPLEMENT II	401116	423102			
<b>STAPHYLOCOCCI -coagulase positive</b> ISO 6888-3:2003 Detection and MPN technique for low numbers	MODIFIED GIOLITTI AND CANTONI BROTH	GIOLITTI-CANTONI BROTH	401516	42211501			
	AGAR SOLUTION	POTASSIUM TELLURITE 1% SOLUTION AGAR BIOS LL	411030				
	BAIRD PARKER AGAR MEDIUM	BAIRD PARKER AGAR BASE EGG YOLK TELLURITE EMULSION 20% SULFAMEZATHINE SELECTIVE SUPPL. BAIRD PARKER AGAR	401116	423700 423050			
	RABBIT PLASMA FIBRINOGEN AGAR MEDIUM	BAIRD PARKER AGAR BASE RPF SUPPLEMENT II BAIRD PARKER RPF AGAR	401116	423102			
	BRAIN HEART INFUSION BROTH	BRAIN HEART INFUSION BROTH	401230				
	RABBIT PLASMA	COAGULASE PLASMA EDTA					

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			Powder	Supplements	Plates	Tubes	Flasks/ Reagent
<b>VIBRIO</b> ISO/TS 21872-1:2007 Detection of <i>Vibrio parahaemolyticus</i> and <i>Vibrio cholerae</i>	ALKALINE SALINE PEPTONE WATER	ALKALINE PEPTONE WATER	401032				
	THIOSULFATE, CITRATE, BILE AND SUCROSE AGAR (TCBS)	TCBS KOBAYASHI AGAR	402106				
	SALINE NUTRIENT AGAR		402141S	412358			
	SALINE TRIPLE SUGAR IRON (TSI) AGAR	TRIPLE SUGAR IRON AGAR ISO FORM. + SODIUM CHLORIDE	402141S	412358			
	SALINE MEDIUM FOR DETECTION OF ORNITHINE DECARBOXYLASE (ODC)		NA				
	SALINE MEDIUM FOR DETECTION OF LYSINE DECARBOXYLASE (LDC)		NA				
	SALINE MEDIUM FOR DETECTION OF ARGININE DEHYDROXYLASE (ADH)		NA				
	BUFFER ONPG SOLUTION		NA				
	SALINE MEDIUM FOR DETECTION OF INDOLE		NA				
	KOVACS' REAGENT		NA				
SALINE PEPTONE WATERS		NA					
<b>YEASTS AND MOULDS</b> ISO 21527-1:2008 Colony count technique in products with water activity greater than 0,95	DICHLORAN-ROSE BENGAL CHLORAMPHENICOL AGAR (DRBC)	DRBC AGAR BASE	4013932				
		CHLORAMPHENICOL ANT SUPPLEMENT		4240003			
<b>YEASTS AND MOULDS</b> ISO 21527-2:2008 Colony count technique in products with water activity less than or equal to 0,95	DICHLORAN 18 % MASS FRACTION GLYCEROL AGAR (DG18)	DG18 AGAR BASE	4013942				
		GLYCEROL CHLORAMPHENICOL ANT SUPPLEMENT		421015 4240003			
<b>YERSINIA ENTEROCOLITICA</b> ISO 10273:2003 Detection of presumptive pathogenic <i>Yersinia enterocolitica</i>	PSB BROTH	YERSINIA PSB BROTH	402270				
	ITC BROTH	YERSINIA ITC BROTH BASE TICARCILLIN IRGASAN ANTIMICROBIC SUPP. POTASSIUM CHLORATE SUPPLEMENT	402265	4240060 4240065			
	CIN AGAR	CIN AGAR BASE YERSINIA SELECTIVE SUPPLEMENT YERSINIA SELECTIVE AGAR	401302 4240011				
	SSDC		NA				
	NUTRIENT AGAR	NUTRIENT AGAR	401810				
	UREA INDOLE		NA				
	KLIGLER IRON AGAR	KLIGLER IRON AGAR	401560				
	MEDIUM FOR LYSINE DECARBOXYLASE		NA				
	MEDIUM FOR ORNITHINE DECARB.		NA				
	FERMENTATION BROTH		NA				
	SIMMONS CITRATE AGAR		NA				
TWEEN ESTERASE MEDIUM AGAR		NA					

NA: NOT AVAILABLE WITHIN BIOLIFE PRODUCTS RANGE

\* ALOA IS A TRADEMARK OF BIOLIFE ITALIANA



# EQUIVALENCE TABLE BETWEEN ISO RECOMMENDED CULTURE MEDIA AND BIOLIFE CULTURE MEDIA

## MICROBIOLOGICAL METHODS FOR WATER ANALYSIS

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APPLICATION	ISO CULTURE MEDIA AND REAGENTS	BIOLIFE CULTURE MEDIA AND REAGENTS	REFERENCES OF AVAILABLE BIOLIFE PRODUCTS				
			Powder	Supplements	Plates	Tubes	Flasks/ Reagent
<b>CAMPYLOBACTER</b> ISO 17995:2005 Detection and enumeration	COMPLETE PRESTON BROTH	CAMPYLOBACTER ENRICHMENT BROTH BASE (PRESTON) PRESTON ANTIMICROBIC SUPPLEMENT II CAMPYLOBACTER GROWTH SUPPLEMENT LYSED HORSE BLOOD	401286	4240022 4240021 90HLX100			
	COMPLETE BOLTON BROTH	CAMPY. ENRICH. BASE BROTH-BOLTON BOLTON BROTH SUPPLEMENT	4212822 4240020				
	COMPLETE MODIFIED-CHARCOAL CEFOPERAZONE DESOXYCHOLATE AGAR (m-CCDA)	CAMPY. BLOOD FREE MEDIUM BASE BOLTON BOLTON CCDA ANTIMICROBRIC SUPPL. CAMPYLOBACTER BLOOD FREE AGAR (CCDA)	401282	4240020			
<b>CLOSTRIDIUM PERFRINGENS</b> ISO 14189:2013 Enumeration by membrane filtration method	TRYPTOSE SULFITE-CYCLOSERINE AGAR (SC)	TSC AGAR BASE D-CYCLOSERINE ANTIMICROBIC SUPPL.	402158	4240002			
	BLOOD AGAR	COLUMBIA BLOOD AGAR	401136				
	ACID PHOSPHATASE REAGENT	NA					
<b>CULTURABLE MICROORGANISM</b> ISO 6222:1999 Colony count	YEAST EXTRACT AGAR	YEAST EXTRACT AGAR	402275				
<b>ENTEROCOCCI</b> ISO 7899-2:2000- Detection and enumeration of intestinal enterococci by membrane filtration method	SLANETZ BARTLEY AGAR	SLANETZ BARTLEY AGAR	402046	42111801			
	BILE AESCULIN AZIDE AGAR	TTC 1% SOLUTION BILE AESCULIN AZIDE AGAR ISO FORM.	401018				
<b>ESCHERCHIA COLI AND COLIFORM BACTERIA</b> ISO 9308-1:2014 Enumeration by membrane filtration method	CHROMOGENIC COLIFORM AGAR (CCA)	CHROMOGENIC COLIFORM AGAR ISO FORM.	401297				
	TRYPTONE SOYA AGAR	TRYPTIC SOY AGAR	402150				
<b>ESCHERCHIA COLI AND COLIFORM BACTERIA</b> ISO 9308-2:2012 enumeration by Most probable number method	LACTOSE BROTH	LACTOSE BROTH	401575				
	MAC CONKEY BROTH	MAC CONKEY BROTH PURPLE	401675				
	IMPROVED FORMATE LACTOSE GLUTAMATE MEDIUM	MINERALS MODIFIED GLUTAMATE MEDIUM SODIUM GLUTAMATE	401982	412364			
	LAURYL TRYPTOSE (LACTOSE BROTH)	LAURYL PEPTO BIOS BROTH	401580				
	BRILLIANT GREEN LACTOSE (BILE) BROTH	BRILLIANT GREEN BILE BROTH 2%	401265				
	EC MEDIUM	EC BROTH					
	TRYPTONE WATER	PEPTONE-TRYPTONE WATER	401891				
	LAURYL TRYPTOSE MANNITOL BROTH WITH TRYPTOPHAN NUTRIENT AGAR		NA NA				

APPLICATION	ISO CULTURE MEDIA AND REAGENTS	BIOLIFE CULTURE MEDIA AND REAGENTS	REFERENCES OF AVAILABLE BIOLIFE PRODUCTS				
			Powder	Supplements	Plates	Tubes	Flasks/ Reagent
<b>LEGIONELLA</b> ISO 11731:1998 Detection and enumeration	BUFFERED CHARCOAL YEAST EXTRACT AGAR MEDIUM (BCYE)	LEGIONELLA BCYE AGAR BASE LEGIONELLA BCYE α-GROWTH SUPPL. LEGIONELLA AGAR	401582	423210			
	BUFFERED CHARCOAL YEAST EXTRACT MEDIUM WITHOUT L-CYSTEINE (BCYE - CYS)	LEGIONELLA BCYE AGAR BASE LEGIONELLA BCYE α-GROWTH SUPPL. W/O CYSTEINE LEGIONELLA AGAR W/O CYSTEINE	401582	423212			
	BUFFERED CHARCOAL YEAST EXTRACT MEDIUM WITH SELECTIVE SUPPLEMENTS (GVPC MEDIUM)	LEGIONELLA BCYE AGAR BASE LEGIONELLA BCYE α-GROWTH SUPPL. LEGIONELLA GVPC SELECTIVE SUPPL. LEGIONELLA SELECTIVE AGAR	401582	423210 423215			
	ACID BUFFER PAGE'S SALINE DILUTE RINGER'S SOLUTION. PHOSPHATE-BUFFERED SALINE FORMOL SALINE. SEROLOGICAL REAGENTS	NA NA NA NA NA LEGIONELLA RAPID LATEX TEST					
<b>LEGIONELLA</b> ISO 11731-2:2004 Direct membrane filtration method for waters with low bacterial counts	BUFFERED CHARCOAL YEAST EXTRACT AGAR MEDIUM (BCYE)	LEGIONELLA BCYE AGAR BASE LEGIONELLA BCYE α-GROWTH SUPPL. LEGIONELLA AGAR	401582	423210			
	BUFFERED CHARCOAL YEAST EXTRACT MEDIUM WITHOUT L-CYSTEINE (BCYE - CYS)	LEGIONELLA BCYE AGAR BASE LEGIONELLA BCYE α-GROWTH SUPPL. W/O CYSTEINE LEGIONELLA AGAR W/O CYSTEINE	401582	423212			
	BUFFERED CHARCOAL YEAST EXTRACT MEDIUM WITH SELECTIVE SUPPLEMENTS (GVPC MEDIUM)	LEGIONELLA BCYE AGAR BASE LEGIONELLA BCYE α-GROWTH SUPPL. LEGIONELLA GVPC SELECTIVE SUPPL. LEGIONELLA SELECTIVE AGAR	401582	423210 423215			
	GLYCEROL BROTH	NUTRIENT BROTH GLYCEROL	401815	421015			
	ACID BUFFER PAGE'S SALINE	NA NA					

APPLICATION	ISO CULTURE MEDIA AND REAGENTS	BIOLIFE CULTURE MEDIA AND REAGENTS	REFERENCES OF AVAILABLE BIOLIFE PRODUCTS				
			Powder	Supplements	Plates	Tubes	Flasks/ Reagent
<b>PSEUDOMONAS AERUGINOSA</b> ISO 16266:2006 Detection and enumeration - Method by membrane filtration	PSEUDOMONAS AGAR BASE/CN-AGAR	PSEUDOMONAS AGAR BASE	401960				
		CN PSEUDOMONAS SUPPLEMENT		4240046			
		GLYCEROL		421015			
		PSEUDOMONAS CN SELECTIVE AGAR					
	KING'S B MEDIUM	PSEUDOMONAS AGAR F	401961				
	ACETAMIDE BROTH	ACETAMIDE BROTH		421301			
	NUTRIENT AGAR	NUTRIENT AGAR	401810				
OXIDASE TEST	OXIDASE TEST STRIPS						
NESSLER REAGENT	NA						
<b>SALMONELLA</b> ISO 19250:2010 Detection	BUFFERED PEPTONE WATER	BUFFERED PEPTONE WATER	401278				
	RAPPAPORT-VASSILIADIS MEDIUM WITH SOYA (RVS BROTH)	RAPPAPORT VASSILIADIS SOY (RVS) BROTH	401981				
	XYLOSE LYSINE DEOXYCHOLATE AGAR (XLD AGAR)	XLD AGAR ISO FORMULATION	402208				
	NUTRIENT AGAR	NUTRIENT AGAR	401810				
	TRIPLE SUGAR/IRON AGAR (TSI AGAR)	TRIPLE SUGAR IRON AGAR ISO FORM.	402141S				
	UREA AGAR (CHRISTENSEN)	UREA AGAR BASE CHRISTENSEN	402175				
		UREA 40% SOLUTION		4240096			
		UREA AGAR					
	L-LYSINE DECARBOXYLASE MEDIUM	-	NA				
SELENITE CYSTINE BROTH	SELENITE CYSTINE BROTH	402026					
MULLER-KAUFFMANN TETRATHIONATE-NOVOBIOCIN BROTH (MKTTN)	MUELLER KAUFFMANN TETRATHIONATE BROTH BASE ISO FORMULATION	401745					
	NOVOBIOCIN MKTT SELECTIVE SUPPLEMENT		4240047				
	IODINE SOLUTION		421501				
	MUELLER KAUFFMANN TETRATHIONATE						
	NOVOBIOCIN BROTH						
<b>SULFITE REDUCING ANAEROBES CLOSTRIDIA</b>	DIFFERENTIAL REINFORCED CLOSTRIDIAL MEDIUM		NA				
ISO 6461-1:1986 Method by enrichment in liquid medium							
<b>SULFITE REDUCING ANAEROBES CLOSTRIDIA</b>	SULPHITE IRON AGAR or		NA				
ISO 6461-2:1986 Method by membrane filtration	TRYPOSE-SULFITE AGAR	TSC AGAR BASE	402158				

NA: NOT AVAILABLE WITHIN BIOLIFE PRODUCTS RANGE

\*: BIOLIFE FORMULATION DOESN'T COMPLETELEY CORRESPOND TO ISO FORMULATION