

LOT 4:- Microbiological medias

No	Type of media	Specification/description	Unit	Quantity
1.	Dichloran 18 % (mass concentration) glycerol agar (DG18)	casein enzymatic digest 5.0g, D-Glucose 10.0g, potassium dihydrogen phosphate 1.0g, magnesium sulfate 0.5g, Dichloran 0.002g, glycerol anhydrous 220g, Agar 12 to 15, chloramphenicol 0.1g, water 1000ml, PH 5.6±0.2 at 25 ° c	bottle	03
2.	0.1% mass concentration peptone water broth	Enzymatic digest of animal or vegetable tissue 1.0g water 1000ml PH 7.0±0.2 at 25 ° c	bottle	03
3.	SDA (Sabouraud D-glucose agar) ,	Agar 15g/l,(D+)- glucose 40g/l, peptone 10g/l	bottle	01
4.	Dichloran-rose bengal chloramphenicol agar (DRBC),	Enzymatic digest of animal and plant tissue 5.0g, D- glucose (C ₆ H ₁₂ O ₆) 10.0 g, potassium dihydrogen phosphate (KH ₂ PO ₄) 1.0g, Magnesium sulfate (MgSO ₄ .H ₂ O) 0.5g , dichloran (2,6- dichloro-4-nitroaniline) 0.002g , Rose Bengal 0.025g, agar 12-15g , chloramphenicol 0.1g, water 1000ml PH 5.6±0.2 at 25 ° c	bottle	03
5	Peptone/saline solution	Peptone 1.0g, sodium chloride 8.5g, water 1000ml	Bottle	01
6.	Peptone solution	Peptone 1.0g Water 1000ml	Bottle	01
7.	Quarter strength solution	Sodium chloride 2.25g, potassium chloride 0.105g, calcium chloride anhydrous 0.06g, sodium hydrogen carbonate 0.05g, water 1000ml PH 6.9±0.1 at 25 ° c	Bottle	01
8.	Potassium buffer	Potassium	Bottle	01

	solution	dihydrogenphosphate 42.5g, water 1000ml PH 7.2±0.1 at 25 ° c		
9.	Sodium citrate solution	Trisodium citrate dehydrate 20g, water 1000ml, PH 7.5±0.1 at 25 ° c	Bottle	02
10	Dipotassium hydrogen phosphate solution	Dipotassium hydrogen phosphate 20g, water 1000ml PH 8.4±0.1 at 25 ° c for primary dilution of acid casein and lactic acid and PH 7.5±0.1 at 25 ° c for caseinates, cheese, processed cheese, dried whey and roller dried milk	Bottle	02
11.	Modified tryptone soya broth (mTSB)	Enzymatic digest of casein 17.0g, enzymatic digest of soya 3.0g, D(+)-glucose 2.5g, Bile salt No.3 1.5g, sodium chloride 5.0g Dipotassium dihydrogen phosphate 4.0g water 1000ml PH 7.4±0.2 at 25 ° c	Bottle	03
12.	Novobocin solution	Novoboicin 0.45g, water 1000ml	Bottle	02
13.	Ceffixime tellurite sorbitol Macconkey agar CT-SMAC	Enzymatic digest of casein 17.0g/litre, Enzymatic digest of animal tissue 3.0g/litre, Sorbitol 10.0g/litre, Bile salt No.3 1.5g/litre, Sodium Chloride 5.0g/litre, Neutral red 0.03g/liter, Crystal Violet 0.001g/litre, Agar 9g to 18g/litre 7.1± 0.2 @ 25°C	bottle	03
14.	Potassium tellurite solution	Potassium tellurite for bacteriological use 0.25g/100ml)	bottle	05
15.	Ceffixime solution	5.0mg/100.0ml	bottle	05
16.	Tryptophan/trypto	tryptone 10g, sodium chloride	Bottle	03

	ne medium	5g DL-tryptophan 1g, water 1000ml 7.5± 0.2 @ 25°C		
17.	Kovac's reagent (detection of indole)	(4-Dimethylaminobenzaldehyde 5.0g, Hydrochloric acid, p= (1.18g/ml to 1.19g/ml)25ml, 2- Methylbutan-1-ol or pentan-1- 01, 75 ml)	Bottle	08
18.	Anti Eschericia coli O157 immunomagnetic particles	Coated with speific antibodies against E.colliO157 for concentration and separation of these microorganisms.	pk	05
19.	Modified phosphate buffer 0.01mol/l	Sodium chloride 8.0g , potassium chloride 0.2g, disodium hydrogen phosphate (anhydrous) 1.44g,potassium dihydrogen phosphate(anhydrous) 0.24g polyethylene sorbitan monolaurate (Tween 20 syrup) 0.2ml ,water 1000ml 7.2± 0.2 @ 25°C	Bottle	02
20	Normal saline solution	Sodium chloride 8.5g Water 1000ml	Bottle	02
21.	Eschericia coli 0157 antiserum	As separate O 157.	Vial	10
27	Baired parker agar medium	pancreatic digest of casein 10.0g, yeast extract 1,0g, meat extract 5.0g, sodium pyruvate 10.0g, l-Glycine 12.0g, lithium chloride 5.0g, agar 12g to 22g, water 1000ml),		03
28.	potassium tellurite soln	potassium tellurite 1.0g, water 100ml	Vial	15
29.	egg yolk emulsion, 1.02g/ml at 20°C	Egg yolk 30ml, sterile saline 70ml	Vial (100ml/vial)	10
30	Egg yolk tellurite	Egg yolk 30ml, sterile saline	Vial(100ml/vial)	10

	emulsion	64ml,sterile 3.5% potassium telurite solution 6ml	1pk five 100ml vial	
30.	sulfamezathine solution	sulfamezathine 0.2g, sodium hydroxide solution 10ml, water 90ml	Vial	10
31	Brain heart infusion broth	enzymatic digest of animal tissues 10.0g dehydrated calf brain infusion 12.5g dehydrated beef heart infusion 5.0g ,glucose 2.0g, sodium chloride 5.0g, disodium hydrogen phosphate 2.5 g water 1000ml, 7.4± 0.2 @ 25°C		03
32	Chromogenic coliform agar	Enzymatic digest of casein 1,0 g Yeast extract 2,0 g Sodium chloride 5,0 g Sodium dihydrogen phosphate x 2H ₂ O 2.2 g Di-sodium hydrogen phosphate 2.7 g Sodium pyruvate 1,0 g Sorbitol 1,0 g Tryptophane 1,0 g Secondary alcohol ethyloxylate surfactant (CAS No. 68131-40-8) 0,15 g 6-Chloro-3-indoxyl-β-D-galactopyranoside (Salmon-beta-D-galactosid), (CAS No. 138182-21-5) 0,2 g 5-Bromo-4-chloro-3-indoxyl-β-D-glucuronic acid, cyclohexylammonium salt monohydrate (X-beta-G-glucuronide CHX salt) (CAS No. 114162-64-0) 0,1 g Isopropyl-β-D-thiogalactopyranoside (IPTG) (CAS No. 367-93-1) 0,1 g Bacteriological agar (in powder or flake form) 9 g to 18), 6.8± 0.2 @ 25°C	Bottle	04
33	Oxidase reagent	N,N,N',N'-Tetramethyl-p-phenylenediamine dihydrochloride (CAS No. 637-	Vial	10

		01-4) 0,1 g Water 10 ml),		
34.	Tryptic soya agar (TSA)	Tryptone 15,0 g Soya peptone 5,0 g Sodium chloride 5,0 g Agar (in powder or flake form) 15 g to 25 g) water 1000ml 7.2± 0.1 @ 25°C	Bottle	02
35	Colilert-18	Ready to use snap-pack format for fast and easy preparation	pk	200
36	Antifoam B	10 % active, water soluble suspension of silicone),	pk	10
37.	Buffered peptone water	enzymatic digest of casein 10.0g, sodium chloride 5.0g, disodium hydrogen phosphate dodehydrate 9.0g, potassium dihydrogen phosphate 1.5g water 1000ml,	Bottle	03
38	Muller-Kauffman tetrathionate novobocin broth (MKTTn)	Meat extract 4.3g/litre, enzymatic digest of casein 8.6g/litre, sodium chloride(NaCl)2.6g/litre, Calcium carbonae(CaCO3) 38.7g/litre, Sodium thiosulfate pentahydrate(Na2S2O3.5H2O) 47.8g, Ox bile for bacteriological use 4.78g/litre, Brilliant Green(9.6mg/litre))pH 8.2 ± 0.2 @ 25°C	Bottle	03
39	Iodide-iodide solution	Iodine 20,0g/100ml, potassium iodide(KI)25g/100ml)	Bottle	10
40	Novobocin solution	Novobocin sodium salt 0.04g/5ml),	Bottle	10
41	urea agar	peptone 1.0g, glucose 1.0g, sodium chloride 5.0g , potassium dihydrogen phosphate, 2.0g, phenol red 0.012g, agar 9g to18g, water 100ml pH 6.8 ± 0.2 @ 25°C	Bottle	02
42.	urea solution	urea 400g , water 1000ml	Bottle	10

43.	l-Lysine decarboxylation medium (l-Lysine monohydrochloride 5.0g, yeast extract 3.0g, glucose, Glucose 1.0g, bromocresol purple (0.015g) water 1000ml, pH 6.8 ± 0.2 @ 25°C	Bottle	03
44	B -galactosidase reagent buffer solution	sodium dihydrogen phosphate 6.9g, sodium hydroxide 10 mol/l about 3ml water 50ml	Bottle	03
45	ONPG solution	o-Nitrophenyl B-D-galactopyranoside (ONPG) 0.08 g, water 15ml	Bottle	10
46.	MR-VP medium	<ul style="list-style-type: none"> • Dehydrated Appearance: Fine, homogeneous, free of extraneous material. Solution: <ul style="list-style-type: none"> • 1.7% solution, soluble in purified water. Solution is pale to light, yellow to tan, clear to slightly hazy. • Prepared Appearance: Pale to light, yellow to tan, clear to slightly hazy. • Reaction of 1.7% • Solution at 25°C: • pH 6.9 ± 0.2 <p>Pancreatic Digest of Casein :3.5g Peptic Digest of Animal Tissue:3.5g Potassium Phosphate: 5.0 g Dextrose 5.0 g</p>	Bottle	03
47	Methyl red	Methyl red 0.1g, 95% ethyl alcohol 300ml, sterile distilled water 200ml	Bottle	10
48	Barritt's reagent A	6g of α-naphtolin in 100ml of 95% ethyl alcohol	Bottle	10
49	Barritt's reagent B	16 g KOH IN 100ml	Bottle	10
50	semi solid nutrient agar	meat extract 3g, peptone 5.0g agar 4g to 9g, water 1000ml, pH 7.0 ± 0.1 @ 25°C	Bottle	03
51	O Antisera	for salmonella (anti-sera	pk	10

	polyvalent and monovalent	containing one or more "O" groups),		
52	Vi anti sera, Kit		pk	10
53	H Antisera polyvalent and monovalent	anti-sera containing one or more "H" groups	pk	10
54	Selinite /cystine medium base	Tryptone 5.0g, lactose 4.0g, disodium hydrogen phosphate dodecahydrate 10.0g sodium hydrogen selinite 4.0g, water 1000ml pH 7.0 ± 0.1 @ 25°C	Bottle	03
55	L-Cystine solution	L-Cystine 0.1g, sodium hydroxide solution 15ml, sterile water 85ml	Bottle	05
56	Lauryl sulfate Tryptose Broth	tryptose 40g or 20g, lactose 10.0g or 5.0g, dipotassium hydrogen phosphate (5.5g or 2.75g, potassium dihydrogen phosphate 5.5g or 2.75g, sodium chloride 10.0g or 5.0g, sodium lauryl sulfate 0.2g or 0.1g, water 1000 ml) pH 6.8 @ 25°C	Bottle	04
57	tryptone water	(tryptone 10.0g, sodium chloride 5.0g, water 1000ml), pH 7.3 @ 25°C	Bottle	03
58	EC broth	tryptose or trypticase 20.0g, lactose 5.0g bile salt no.3 1.5g, dipotassium hydrogen phosphate 4.0g, potassium dihydrogen phosphate 1.5g, sodium chloride 5.0g water 1000 ml), pH 6.8 @ 25°C	Bottle	04
59	Brilliant lactose bile broth	Enzymatic digest of casein 10g, lactose 10g, dehydrated ox bile 20g, brilliant green 0.0133g, water 1000ml pH	Bottle	03

		7.2 ± 0.2 @ 25°C		
60	Modified lauryl sulfate tryptose broth (tryptose 40g/1litre, Lactose 10.0g/1litre, dipotassium hydrogen phosphate(K ₂ HPO ₄) 5.5g/1litre, potassium dihydrogen phosphate(KH ₂ PO ₄) 5.5g/1litre, sodium chloride 10.0g/1litre, Sodium lauryl sulfate (CH ₃ (CH ₂) ₁₁ OSO ₃ Na) 0.2g/litre, 4-Methylumbelliferyl-β-D-glucuronide(MUG) 0.2g/litre, Tryptophan 2.0g/1litre pH 6.8 @ 25°C),	Bottle	03
61	Yeast extract/ dextrose/ oxy tetracycline agar medium (Base medium	Yeast extract powder 5.0g/900ml, Dextrose(C ₆ H ₁₂ O ₆) 20.0g/900ml, Agar 10g to 15g pH 6.6 @ 25°C	Bottle	03
62	Oxytetracycline hydrochloride solution	Oxytetracycline hydrochloride C ₂₂ H ₃₀ O ₁₁ .HCl 50mg water 50ml	Bottle	10
63.	Sterility indicator	Bioindicator Bacillus stearothermophilus spores	pk	1pk
64	Fl. Thioglyc. Med acc EP+USP	Sterility testing, powder microbiological culture media, 500 g	bottle	5