



Description

TTC SOLUTION 1%, which is suitable for isolation, detection and enumeration of coliforms in TM 1151 CAE AGAR BASE (CITRATE AZIDE ENTEROCOCCUS AGAR BASE), TM 136 KF STREPTOCOCCAL AGAR BASE, TM 747 KF STREPTOCOCCAL BROTH BASE, TM 138 KF STREPTOCOCCUS AGAR BASE W/ BCP, TM 139 KF STREPTOCOCCUS BROTH BASE W/ BCP, TM 751 L. S. DIFFERENTIAL MEDIUM BASE (LACTOBACILLUS STREPTOCOCCUS DIFFERENTIAL MEDIUM BASE), TM 1251 LACTOSE TTC AGAR (WITH SODIUM HEPTADECYL SULPHATE) (as per ISO), TM 1388 MUG SF BROTH BASE, TM 226 MOTILITY MEDIUM S BASE, TM 1274 PAGANO LEVIN BASE, TM 440 TERGITOL - 7 AGAR BASE (as per BIS), TM 1311 TRYPTONE SUCROSE TETRAZOLIUM AGAR BASE (TSTA) and cultivation of *Pseudomonas solanacearum* in TM 1076 SM SELECTIVE AGAR BASE.

Composition

Ingredients

2, 3, 5- Triphenyltetrazolium Chloride 0.10gm

(Per vial, sufficient for 500ml of sterilized medium)

Storage

Vials should be stored in sealed container at 2-8°C.

Instructions for use

Aseptically rehydrate the contents of 1 vial with 10ml of sterile distilled water. Mix well and add :

10 ml in 1000 ml sterile, molten, cooled (45-50°C) TM 1151 CAE AGAR BASE (CITRATE AZIDE ENTEROCOCCUS AGAR BASE), TM 136 KF STREPTOCOCCAL AGAR BASE, TM 747 KF STREPTOCOCCAL BROTH BASE, TM 138 KF STREPTOCOCCUS AGAR BASE W/ BCP, TM 139 KF STREPTOCOCCUS BROTH BASE W/ BCP, TM 751, L. S. DIFFERENTIAL MEDIUM BASE (LACTOBACILLUS STREPTOCOCCUS DIFFERENTIAL MEDIUM BASE), TM 226 MOTILITY MEDIUM S BASE, TM 1274 PAGANO LEVIN BASE and cultivation of *Pseudomonas solanacearum* in TM 1076 SM SELECTIVE AGAR BASE

3 ml to 1000 ml sterilized, molten, cooled (45 - 50°C) TM 1251 LACTOSE TTC AGAR (WITH SODIUM HEPTADECYL SULPHATE) (as per ISO) TM 1311 TRYPTONE SUCROSE TETRAZOLIUM AGAR BASE (TSTA).

Mix carefully and dispense as desired. Use the medium according to the manufacturer's recommendation. For long storage the prepared media plates should keep inverted at 4°C up to 7 days.

Microbiological parameters (Growth promotion test)

Results obtained from TM 1251 LACTOSE TTC AGAR (WITH SODIUM HEPTADECYL SULPHATE (as per ISO) :



PRODUCT DATA SHEET

Cultural characteristics observed after inoculating (10³CFU/ml), on incubation at 36 ± 20°C and 44 ± 4°C for 21 ± 3 hours

Microorganisms	ATCC	Inoculum (CFU/ml)	Growth at 44°C	Growth at 36°C	Appearance of colony
<i>Enterobacter aerogenes</i>	13048	10 ³	No growth	Good	Red to dark yellow with orange centers
<i>Escherichia coli</i>	25922	10 ³	Good	Good	Yellow with orange centers
<i>Enterobacter sakazakii</i>	29544	10 ³	Good	Good	Yellow with orange centers
<i>Klebsiella</i> sp.	-----	10 ³	No growth	Good	Red to yellow colonies

Results obtained from **TM 1151 CAE AGAR BASE (CITRATE AZIDE ENTEROCOCCUS AGAR BASE)**:

Cultural characteristics observed after inoculating (10⁵CFU/ml), on incubation at 25 ± 30°C for 7 days.

Microorganisms	ATCC	Inoculum (cfu/ml)	Growth	Appearance of colonies
<i>Enterococcus faecalis</i>	29212	10 ³ - 10 ⁵	Luxuriant	Red coloured colonies
<i>Enterococcus faecium</i>	35667	10 ³ - 10 ⁵	Luxuriant	Red coloured colonies
<i>Streptococcus pyogenes</i>	12344	10 ³ - 10 ⁵	Poor to None	No characteristic colour to colonies
<i>Escherichia coli</i>	25922	10 ³ - 10 ⁵	None	No growth

Results obtained from **TM 136 KF STREPTOCOCCAL AGAR BASE**:

Cultural characteristics observed after inoculating (10³CFU/ml), and incubation at 35 ± 2°C for 46 - 48 hours.

Test strains	ATCC	Inoculum (CFU)	Growth	Appearance of colony
<i>Enterococcus faecalis</i>	29212	10 ³	Good-luxuriant	Red - maroon
<i>Enterobacter aerogenes</i>	13048	10 ³	Inhibited	-
<i>Escherichia coli</i>	25922	10 ³	Inhibited	-



PRODUCT DATA SHEET

Results obtained from **TM 138 KF STREPTOCOCCAL AGAR BASE W/BCP:**

Cultural characteristics observed after inoculating (10^3 CFU/ml), on incubation at $35 \pm 2^\circ\text{C}$ for 48 - 72 hours.

Microorganisms	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Appearance of colony
<i>Enterococcus faecalis</i>	19433	10^3	Good-luxuriant	$\geq 50\%$	Red centered colonies
<i>Enterococcus faecalis</i>	29212	10^3	luxuriant	$\geq 50\%$	Red centered colonies
<i>Escherichia coli</i>	25922	10^3	Inhibited	0%	-

Results obtained from **TM 751 L. S. DIFFERENTIAL MEDIUM BASE (LACTOBACILLUS STREPTOCOCCUS DIFFERENTIAL MEDIUM BASE):**

Culture characteristics observed after inoculating (10^3 CFU/ml), for incubation at $42 - 45^\circ\text{C}$ for 48 hours.

Microorganism	ATCC	Inoculum (CFU/ml)	Colony characteristic
<i>Lactobacillus bulgaricus</i>	11842	10^3	red, rhizoidal, surrounded by opaque zone
<i>Streptococcus thermophilus</i>	14485	10^3	red, smooth, surrounded by clear zone

Results obtained from **TM 226 MOTILITY MEDIUM S BASE:**

Culture characteristics observed after an incubation period of 18 - 48 hours at $35 \pm 2^\circ\text{C}$.

Microorganisms	ATCC	Growth	Motility	TTC reduction / Colony colour
<i>Enterobacter aerogenes</i>	13048	Good-luxuriant	Positive, growth away from the stab line	Positive reaction, red to maroon colour
<i>Escherichia coli</i>	25922	Good-luxuriant	Positive, growth away from the stab line	Positive reaction, red to maroon colour
<i>Klebsiella pneumoniae</i>	13883	Good-luxuriant	Negative, growth along the stab line	Positive reaction, red to maroon colour
<i>Proteus mirabilis</i>	25933	Good-luxuriant	Negative, growth along the stab line	Positive reaction, red to maroon colour