

DEV Lactose Peptone Broth

TN 1127 500 g
TN 1228 5 kg



Intended use

Used for the enrichment and determination of the germ count of *E. coli* and coliform bacteria in water.

Form

Powder

Colour

Greenish

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Typical composition

Component	g/l
Tryptic digested casein peptone	17
Soya peptone (papaic digest)	3
Lactose	10
Sodium chloride	5
Bromocresol purple	0.02

Directions

Suspend 35 g (for single-strength), 70 g (for double-strength) or 105 g (for triple-strength) in 1 litre distilled water. Distribute into containers with Durham tubes and autoclave at 115 °C for 20 minutes.

Final pH at 25 °C

7.2 ± 0.2

Microbiological quality control

Incubate DEV Lactose Peptone Broth aerobically for 18-44 hours at 36 ± 1 °C.

Test strain	No.	CFU/ 10 ml	Turbidity	Colour change to yellow	Gas formation
<i>Escherichia coli</i>	ATCC 25922	10-100	+	+	+
<i>Klebsiella pneumoniae</i>	NCTC 5046	10-100	+	+	+
<i>Salmonella</i> Typhimurium	ATCC 14028	10-100	+	-	-
<i>Citrobacter freundii</i>	ATCC 8090	10-100	+	+	+
<i>Enterococcus faecalis</i>	ATCC 29212	10-100	±	±	-