

Endo-Agar (Lactose-Fuchsin-Sulfit-Agar) (ENDO)

Abbreviazione: ENDO
Numero articolo: 40-1130
Scheda: Petri Dish, 90mm
Colore: Light pink
Condizioni di stoccaggio prodotti: Dry, in closed bag at 4-10°C - avoid exposure to light
Data di scadenza: 2 Months
Valore pH: 7.5 ± 0.2 bei 25°C



Destinazione e applicazione

Moderately selective differential medium for the isolation and differentiation of Enterobacteriaceae.

The Fuchsin contained in the Lactose-Fuchsin-Sulphite agar is liberated by the reaction with acids and acetaldehydes, both are metabolites of lactose-fermenting bacteria. The liberated Fuchsin results in a red colour with a greenish metallic sheen of the colonies of coliform microorganisms, whereas the Endo agar is dyed similarly. In contrast, lactose-negative microorganisms appear in colourless colonies before the light pink background of the nutrient medium. Simultaneously, the fuchsin sulfite partially inhibits the growth of gram-positive bacteria.

Composizione tipica

in g per 1 Litre Nutrient medium

Pancreatic-digest of Peptone (Meat, Gelatine)	7.7
Yeast Extract	2.3
Lactose	10.0
Dipotassium Hydrogen Phosphate	3.0
Potassium Dihydrogen Phosphate	0.5
New Fuchsin	0.15
Sodium Sulphite	1.0
Agar	10.0

*Adjusted as required to meet performance standards

Controlli di qualita' microbiologici

The Microbiological Performance Test is carried out in accordance with the requirements of DIN EN ISO 11133.

Productivity

Incubation Conditions: 20±4 Hours at 36±2°C; Inoculum Concentration: 80–120 CFU

Organism	Type Strain	Specification	Colony morphology
Escherichia coli	ATCC 25922/WDCM 00013	50–130 %	Deep red colonies
Enterobacter aerogenes	ATCC 13048/WDCM 00175	50–130 %	Red to reddish, hemispherical, slimy colonies

Selectivity

Incubation Conditions: 20±4 Hours at 37±1°C; Inoculum Concentration: 10,000–1,000,000 CFU

Organism	Type Strain	Specification	Colony morphology
Staphylococcus aureus	ATCC 25923/WDCM 00034	Complete inhibition	-

Microbial Contamination

Incubation Conditions: 5–7 Days at 20–25°C and 5–7 Days at 30–35°C

Specification

No microbial contamination