

Kligler-Eisen-Agar

Abbreviazione: KIA
Numero articolo: 60-1146
Scheda: Tube, Slant agar
Colore: Redish, transparent
Condizioni di stoccaggio prodotti: Dry and closed at 15-22°C
Data di scadenza: 4 Weeks
Valore pH: 7.8 ± 0.2 at 25°C



Destinazione e applicazione

The Kligler iron agar is used for differentiating Gram-negative bacteria, especially Enterobacteriaceae.

Composizione tipica

in g pro 1l Nährmedium

Peptone	23
Yeast extract	3
Glucose	1
Lactose	10
Iron(II)-sulfate	0.2
Sodium chloride	5
Sodium thiosulfate	0.3
Phenol red	0.05
Agar	7

*Adjusted as required to meet performance standards

Controlli di qualita' microbiologici

The microbial performance test is carried out in conformity with the requirements of DIN EN ISO 11133.

Productivity

Incubation conditions: 21 ± 3 hours at 37 ± 1 °C; Inoculum concentration: 80 – 120 CFU

Organism	Test strain	Specification	Colony morphology
Escherichia coli	ATCC 8739 / WDCM 00012	Higher layer: yellow Slopy surface: yellow Gas formation: positive	No blackening
Salmonella enterica serovar Enteritidis	ATCC 13076 / WDCM 00030	Higher layer: yellow slopy surface: red Gas formation: positive	Blackening
Shigella flexneri	ATCC 29903 / WDCM 00125	Higher layer: yellow Slopy surface: red Gas formation: negative	No blackening
Pseudomonas aeruginosa	ATCC 9027 / WDCM 00026	Higher layer: red Slopy surface: red Gas formation: negative	No blackening

Microbial Contamination

Incubation conditions: 5 – 7 days at 20 – 25 °C and 5 – 7 days at 30 – 35 °C

Specification

No microbial contamination