HUGH-LEIFSON OF GLUCOSE MEDIUM, ISO

A semi-solid medium for glucose decomposition studies according to ISO 21528.

Dehydrated media	
Code number:	500 g: SUI20500, 5 kg: SUI25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,6 – 7,0

Direction: Suspend **21 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Dispense into final containers and sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media bases:	100 ml: SUI30100, 500 ml: SUI30500
Tubed media:	100 x 12 mm: SUI40004 (4 ml)
Colour:	Green
pH (25 °C):	6,7 – 6,9

Direction: Dispense the melted bottled media aseptically into sterile tubes. Media in tubes are ready to use.

FORMULA in g/l

Casein peptone	2,00
Glucose	10,00
Sodium chloride	5,00
Bromothymol blue	0,08
Potassium phosphate, dibasic	0,30
Agar	3,62

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the tubed media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	**Growth**	Incubation time: 24 h
Escherichia coli ATCC 25922	- oxidative	Positive: colour change to yellow in entire tube	
Escherichia coli ATCC 25922	- fermentative	Positive: colour change to yellow in entire tube	
Pseudomonas aeruginosa ATCC 27853	- oxidative	Positive: colour change to yellow on the top of tube	
Pseudomonas aeruginosa ATCC 27853	- fermentative	Negative: without colour change	

References: ISO 21528-2:2017

In vitro diagnostic – for professional use only!