

## HUGH-LEIFSON OF MEDIUM WITH GLUCOSE

A semi-solid medium for glucose decomposition studies.

<b>Dehydrated media</b>	
Code number:	500 g: SUG20500-06, 5 kg: SUG25000-06
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,1 – 7,5

**Direction:** Suspend **22 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into final containers and sterilise by autoclaving at 121 °C for 15 minutes.

<b>Prepared media</b>	
Bottled media:	100 ml: SUG30100-06, 500 ml: SUG30500-06
Tubed media:	100 x 12 mm: SUG40004-06 (4 ml)
Colour:	Purple
pH (25 °C):	7,2 – 7,4

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

### FORMULA in g/l

Peptones	3,00
Glucose	10,00
Sodium chloride	5,00
Bromocresol purple	0,03
Buffers	1,00
Agar	3,00

**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:

<b>Test strains</b>	Incubation temp: 37°C	<b>Growth</b>	Incubation time: 24 h
<i>Escherichia coli</i> ATCC 25922		Positive: Colour change to yellow	

**References:** Hugh and Leifson (1953) J. Bact. 66: 24.

**In vitro diagnostic – for professional use only!**