

SIM MEDIUM

A semi-solid differential medium for the differentiation of bacteria on the basis of motility, hydrogen sulphite and indole production.

Dehydrated media	
Code number:	500 g: SIM20500, 5 kg: SIM25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,5 – 6,9

Direction: Suspend **30 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Dispense into test tubes and sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: SIM30100, 500 ml: SIM30500
Tubed media:	100 x 12 mm: SIM40003 (3 ml)
Colour:	Yellowish
pH (25 °C):	6,6 – 6,8

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

FORMULA in g/l

Peptones	26,0
Ferrous ammonium sulphate	0,2
Sodium thiosulphate	0,2
Agar	3,6

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 and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Reactions			Incubation time: 24 h	
		H ₂ S	Motility	Indole		
<i>Shigella sonnei</i> ATCC 25931		-	-	-		
<i>Proteus mirabilis</i> ATCC 29906		+	+	+		
<i>Escherichia coli</i> ATCC 25922		-	+	+		

References: Blazevic (1968) Appl. Microbiol. 16: 668.

In vitro diagnostic – for professional use only!