

STAPHYLOCOCCUS AGAR No.110

A selective and differential medium for the isolation and presumptive identification of pathogenic *Staphylococcus* spp.

Dehydrated media	
Code number:	500 g: STM20500, 5 kg: STM25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 - 7,3

Direction: Suspend **150 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Disperse the precipitate by gentle agitation before pouring.

Prepared media	
Bottled media:	100 ml: STM30100, 500 ml: STM30500
Plated media:	55 mm: STM50055, 90 mm: STM50090
Colour:	Yellowish
pH (25 °C):	7,0 - 7,2

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

FORMULA in g/l

Peptones	13
Mannitol	10
Lactose	2
Sodium chloride	75
Gelatin	30
Buffers	5
Agar	15

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 plated 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: 48 h
<i>Staphylococcus aureus</i>	ATCC 29213	Good, mannitol decomposition and gelatin liquefaction positive, cream coloured colonies	
<i>Escherichia coli</i>	ATCC 25922	Inhibited	

References: APHA (1976) Compendium of Methods for the Microbiological Examination of Foods

In vitro diagnostic – for professional use only!