

## TRANSPORT MEDIUM, STUART WITH CHARCOAL

A semi-solid, non-nutritional medium for the transportation of fastidious pathogens with prolonged survival of micro-organisms from collection to culturing. The added charcoal neutralises the toxic metabolic products of gonococci.

<b>Dehydrated media</b>	
Code number:	500 g: TSC20500, 5 kg: TSC25000
Colour:	Black
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,2 – 7,6

**Direction:** Suspend **26 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. While cooling turn the containers up and down a few times to distribute the charcoal uniformly.

<b>Prepared media</b>	
Bottled media:	100 ml: TSC30100, 500 ml: TSC30500
Colour:	Black
pH (25 °C):	7,3 – 7,5

**Direction:** Dispense the melted bottled media aseptically into final containers. Cool to 50 °C. While cooling turn the containers up and down a few times to distribute the charcoal uniformly.

### FORMULA in g/l

Sodium chloride	0,100
Sodium thioglycolate	0,500
L-Cysteine	0,400
Charcoal	10,000
Methylene blue	0,001
Sodium glycerophosphate	10,000
Agar	5,000

**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. Use before the expiry date on the label.

#### Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Streptococcus pyogenes</i> ATCC 19615		Good growth of the test organism on Columbia Blood Agar, following subculture after 48h in transport medium (25 °C).	

**References:** Stuart et al. (1959) Pub. Hlth. Rep. Wash. 74: 431.

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