

TODD-HEWITT BROTH

A general-purpose non-selective medium for the cultivation primarily of beta-haemolytic streptococci.

Dehydrated media	
Code number:	500 g: THB20500, 5 kg: THB25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,6 – 8,0

Direction for non selective broth: Suspend **37 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.

Direction for selective broth: Suspend **18,5 g** in 500 ml of distilled water and heat gently to dissolve the medium completely. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the contents of **one vial of Staph/Strep Selective Supplement (SHS80004)** reconstituted with 4 ml of sterile distilled water. Mix well and dispense aseptically into sterile final containers.

Prepared media	
Bottled media:	100 ml: THB30100, 500 ml: THB30500
Tubed media, non selective:	150 x 15 mm: THB40010 (10 ml)
Tubed media, selective:	150 x 15 mm: THB40010-02 (10 ml)
Colour:	Yellowish
pH (25 °C):	7,7 – 7,9

Direction If necessary, supplement may be added to the bottled media according to the direction of the dehydrated media. Dispense the bottled media aseptically into sterile final containers. Media in tubes are ready to use.

FORMULA in g/l

Nutrient substrate (heart infusion, peptones)	30
Glucose	2
Sodium chloride	2
Buffers	3

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	Growth	Incubation time: 24 h
<i>Streptococcus pyogenes</i> ATCC 19615		Good	
<i>Escherichia coli</i> ATCC 25922		Inhibited (in case of selective media)	

References: Todd and Hewitt (1932) J. Path. Bact. 35: 973.

In vitro diagnostic – for professional use only!