

WILLIS-HOBBS AGAR BASE

A selective medium for the isolation and identification of *Clostridium* spp.

Dehydrated media	
Code number:	500 g: WHA20500, 5 kg: WHA25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,4 – 7,8

Direction: Suspend **18 g** in 420 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the contents of **one vial of Willis-Hobbs Milk Solution, Sterile (BSM80060)** and **15 ml of Sterile Egg Yolk Emulsion (EYE80100)** and **one vial of Willis-Hobbs Selective Supplement (WHS80004)** reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Prepared media	
Bottled media bases:	100 ml: WHA30100, 500 ml: WHA30500
Plated media:	55 mm: WHA50055, 90 mm: WHA50090
Appearance of bottled media bases:	Brownish, transparent
Appearance of plated media:	Yellowish, homogeneous turbid
pH (25 °C):	7,5 – 7,7

Direction: Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Peptones	8,0000
Meat extract	2,4000
Lactose	6,9000
Sodium chloride	4,0000
Neutral red	0,0226
Agar	14,7000

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: 44 °C	Growth	Incubation time: 48 h
<i>Clostridium perfringens</i> ATCC 13124		Good, opaque halo around the colonies	
<i>Escherichia coli</i> ATCC 25922		Inhibited	

References: Willis and Hobbs (1959) J. Path. and Bact. 77: 511.

In vitro diagnostic – for professional use only!