

PharmaBio® VIOLET RED BILE GLUCOSE AGAR, PH EUR - USP

A glucose containing selective and differential medium for the detection and enumeration of Enterobacteriaceae according to PH EUR (Violet Red Bile Glucose Agar - Harmonised) and several ISO standards.

Dehydrated media	
Code number:	500 g: PVBH20500, 5 kg: PVBH25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before sterilization (25 °C):	7,2 – 7,6

Direction: Suspend **41,5 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Mix well before pouring.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media:	100 ml: PVBH30100, 500 ml: PVBH30500
Plated media:	55 mm: PVBH50055, 90 mm: PVBH50090
Colour:	Reddish purple
pH (25 °C):	7,3 – 7,5

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

FORMULA in g/l

Gelatin peptone	7,000
Yeast extract	3,000
Bile salt No.3	1,500
Glucose monohydrate	10,000
Sodium chloride	5,000
Neutral red	0,030
Crystal violet	0,002
Agar	15,000

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. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control: See the next page

References: European Pharmacopoeia

For professional use only!

PharmaBio® VIOLET RED BILE GLUCOSE AGAR	
Code number:	PVBH
Lot:	
Manufacture date:	
Expiry date:	

DESCRIPTION	
Type of culture medium:	
Packaging:	
Formula:	
Gelatin peptone	7 g
Yeast extract.....	3 g
Bile salts.....	1,5 g
Glucose x 1 H ₂ O.....	10 g
Distilled water.....	ad 1000 ml
Sterilise: 100 °C – 1 minutes	
Sodium chloride.....	5 g
Neutral red.....	0,03 g
Crystal violet.....	0,002 g
Agar	15 g

EXTERNAL CONTROL		
Dehydrated culture medium	Requirement	Result
Packaging:	Intact	complies
Appearance:	Fine powder	complies
Colour:	Beige	complies
Ready to use culture medium	Requirement	Result
Colour:	Reddish purple	complies
Purity:	Transparent	complies
Precipitation:	Free from any precipitation	complies
Gel strength	Suitable for good inoculation	complies

CHEMICAL CONTROL			
pH at 25 °C:	Requirement: 7,4 ± 0,2		complies

MICROBIOLOGICAL CONTROL ACCORDING TO PH EUR				
Cultivation ability and selectivity test:				
Reference medium Lot: PVBHAS	Incubation temperature: 30 – 35 °C Incubation time: see below			
Plate count agar Lot: PTSAAS	Requirement	Result		
Test strains	Productivity (%)	Reference (cfu)	Lot (cfu)	Productivity (%)
<i>Escherichia coli</i> ATCC 8739	> 70 - 24 h			- complies
<i>Pseudomonas aeruginosa</i> ATCC 9027	> 70 - 24 h			- complies
<i>Staphylococcus aureus</i> ATCC 6538	< 5 - 48 h			- complies
Differentiation ability test:				
<i>Escherichia coli</i> ATCC 8739	Purplish red colonies with precipitate halo			complies
<i>Pseudomonas aeruginosa</i> ATCC 9027	Purplish red colonies			complies
Contamination control:				
Incubation temperature: 20 – 25 °C	Incubation time: 7 days			
Result:	No growth			complies
Incubation temperature: 30 – 35 °C	Incubation time: 7 days			
Result:	No growth			complies

This product has been tested by the Quality Control Laboratory and the results are in compliance with the current harmonized protocol according to Pharmacopoeia EP, USP and JP.

This certificate was issued electronically and is valid without signature.