

**TECHNICAL SHEET**

<b>PP036</b>	<b>Wilson and Blair's Agar Medium</b>	
<b>Formula</b>		
<b>Ingredients:</b>	<b>gms/lit.</b>	
Peptone special	10.00	
Meat Extract B#	5.00	
Dextrose	10.00	
Sodium chloride	5.00	
Agar	30.00	
#- Equivalent to Beef extract		
Final pH (at 25°C): 7.2± 0.2		
<b>Directions:</b>		
Label the ready to use plate (PP036). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.		
<b>Principle:</b>		
Peptone special and Meat Extract B provide nitrogenous, carbonaceous compounds and other growth nutrients. Brilliant green dye inhibits all gram-positive bacteria. Dextrose is the fermentable carbohydrate. Ferrous sulphate aids in H <sub>2</sub> S production. Bismuth is a heavy metal, which is inhibitory to most gram-negative enteric bacilli other than Salmonella. Ferrous sulphate is reduced by Salmonella species in presence of bismuth sulphite and dextrose to form iron sulphide, indicated by black colored colonies. Disodium hydrogen phosphate buffers the medium well. Sodium chloride balances the osmotic equilibrium.		
<b>(I) QC Tests</b>		
pH:	7.2 ± 0.2	
Color:	Greenish yellow colored, opaque gel.	
Appearance:	Sterile Wilson and Blair's BBS Agar in 85mm disposable plates.	
<b>(II) Sterility test</b>		
Passes release criteria		
<b>(III) Q.C. Test Microbiological</b>		
Cultural characteristics observed with added 1% Brilliant green and selective reagents after an incubation at 35-37°C for 24-48 hours.		
MICROORGANISM (ATCC)	GROWTH	COLOR OF COLONY
Salmonella typhimurium (14028)	luxuriant	Black with sheen
Salmonella typhi ( 6539 )	luxuriant	Black with sheen
Escherichia coli 25922	Inhibited	-
Proteus mirabilis 25933	luxuriant	Green

Refer disclaimer Overleaf

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<b>Precautions :</b>	1. In Vitro diagnostic use only. 2. Read the label before opening the container
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
<b>Use:</b>	Wilson Blair Agar Base is recommended with the addition of selective reagent for the isolation of Salmonellae particularly Salmonella Typhi.
<b>Storage:</b>	Store between 2-8°C. Use before expiry date on the label.
<b>Packing:</b>	20/50 disposable plates.

**Disclaimer:**

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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