

Brain Heart Infusion Agar

BC2048

A general purpose nutritious agar base. The medium can be used with the addition of 7% defibrinated blood and the medium will support the growth of a wide range of fastidious organisms. The medium is not recommended for the determination of haemolytic reactions because of the glucose content.

The use of porcine material in this product ensures there are no Specified Risk Materials (SRM'S) with respect to Transmissible Spongiform Encephalopathies (TSE'S).

Formula grams per litre

Brain-Heart Infusion Solids (porcine)	17.5
Tryptose	10.0
Glucose	2.0
Sodium chloride	5.0
Disodium phosphate	2.5
Bacteriological Agar	12.0

pH 7.4 +/- 0.2

Appearance: Pale Straw colour, clear gel.

Preparation

Suspend 48 grams powder in 1 litre of distilled water. Allow to soak for 10 minutes then swirl to mix. Autoclave at 121⁰C for 15 minutes. Cool to 47⁰C then pour into petri dishes.

Storage of Prepared Medium

Plates should be stored in the dark at 2-8⁰C. Plates should be used within 1 week.

Directions for use:

Surface, streaking out to single colonies.

Incubate at time and temperature to suit specimen/organisms.

Quality Control Organisms - Suggestions

<i>S. aureus</i>	ATCC 25923	
<i>E. coli</i>	ATCC 11775	

References:

Roseburg, T., Dpps, L. J. and Clarke, A. R. 1944. A study of the isolation, cultivation and pathogenicity of *Actinomyces israeli* recovered from the human mouth and from actinomycosis in man. J. inf. Dis. 74: 131-149.

Howell, E. 1948 Efficiency of methods of isolation of *Histoplasma capsulatum*. Pbl. Hlth. Rep. 63: 173-178. 3/108.