



## Product Information

### BRUCELLA AGAR BASE

Product Number **B 2801**

#### Product Description

Brucella Agar Base with supplements is recommended for the enrichment, isolation, and cultivation of the *Brucella* species. This medium is also formulated to support luxuriant growth of *Streptococci*, *Pneumococci*, *Listeria*, *Neisseria meningitidis* and *Haemophilus influenzae*. The peptic digest of animal tissue and casein enzymic hydrolysate provide organic nitrogen to the organisms. Yeast extract serves as a source of Vitamin B complex.

#### Components

Item	g/L
Casein Enzymic Hydrolysate	10.00
Peptic Digest of Animal Tissue	10.00
Yeast Extract	2.00
Dextrose	1.00
Sodium Chloride	5.00
Sodium Bisulfite	0.10
Agar	15.00

Final pH (at 25 °C) 7.0 ± 0.2

**Precautions and Disclaimer** For laboratory use only. Not for drug, household or other uses.

#### Preparation Instructions

Suspend 21.55 grams of Brucella Agar Base in 500 mls of distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure (121 °C) for 15 minutes. Cool to 45-50 °C and aseptically add sterile 5% v/v heat inactivated (H 1138) horse serum. Add the contents of a rehydrated vial of B 3176 Brucella Selective Supplement. For isolation of the *Campylobacter* species add the rehydrated contents of one vial of C 2847 *Campylobacter* Growth Supplement and 5-7% defibrinated sheep blood to 500 mls of medium base. The *Campylobacter* Growth

Supplement can also be made by mixing P 2256 Sodium pyruvate, S 1516 Sodium metabisulfite, and

F 7002 Ferrous sulfate in 2 ml of distilled water and pass through a sterile 0.4 µm filter to sterilize.

#### Storage

Store the dehydrated medium at 24 °C and the prepared medium at 2-8 °C.

#### Product Profile

Appearance	Yellow colored, homogeneous, free flowing powder.
Gelling	Firm
Color and Clarity	Yellow colored, clear to slightly opalescent gel.
Cultural Response	Cultural characteristics observed after 24-72 hours at 35 °C under 10% CO <sub>2</sub> .

#### Organisms (ATCC) Growth

Organisms	(ATCC)	Growth
<i>Brucella abortus</i>	(4315)	Luxuriant
<i>Brucella melitensis</i>	(4309)	Luxuriant
<i>Brucella suis</i>	(4314)	Luxuriant
<i>Escherichia coli</i>	(25922)	Inhibited
<i>Staphylococcus aureus</i>	(25923)	Inhibited

#### References

1. Jones, L.M., et al., (1958). Bull. Wld. Hlth. Org. 19, 200.
2. Kuzdas, C.D., et al., (1953). J. Bact. 66 (4), 502.
3. Renoux, G., (1954). Ann. Inst. Pasteur. 87. (3), 325.
4. American Type Culture Collection, Manassas, Va., U.S.A.

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