PRODUCT INFORMATION

Brucella Broth

Cat. No. B02-120

DESCRIPTION

Brucella Broth is a general purpose medium elaborated according to the APHA formula. Rich in nutrients and growth factors, it is very suitable to grow and isolate fastidious microorganisms, including Campylobacter, Streptococcus and Neisseria. This medium is widely used to isolate Brucella from diverse specimens contaminated with microflora, whether saprophytes or commensals, in clinical samples as well as in foods. It can also be used in the development of many anaerobes, from human and animal origin, and in blood culture.

Brucella species are level 3 pathogens and cause brucellosis, a zoonotic disease. It is usually transmitted through milk, dairy products, meat and direct contact with infected animals.

FORMULA (g/L)

Casein Digest Peptone	10.0 g	Sodium Chloride	5.0 g
Peptic Digest of Animal Tissue	10.0 g	Sodium Bisulfite	0.1 g
Yeast Extract	2.0 g	Dextrose	1.0 g

Final pH: 7.0 ± 0.2 at 25 ºC

*Grams per liter may be adjusted or formula supplemented to obtain desired performance.

PREPARATION

Mix 28 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes. Add aseptically 5% sterile sheep blood.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light beige.
2. Visually the prepared medium is yellow beige and clear to slightly hazy.
3. Expected cultural response after 24-72 hours at 35°C under 3% CO_2

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ORGANISM	RESULT
Staphylococcus aureus ATCC 25923	Good Growth
Brucella ovis ATCC 25840	Good Growth
Streptococcus pyogenes ATCC 19615	Good Growth
Escherichia coli ATCC 25922	Good Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.

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