
Product Name : Wesson Broth

Mineral salts mixture for growth insect.

TYPICAL FORMULA (G/L)

Tricalcium Phosphate.....	1.49
Calcium Carbonate.....	2.1
Magnesium Sulphate.....	0.9
Sodium Chloride.....	1.05
Potassium Chloride.....	1.2
Potassium Dihydrogen Phosphate.....	3.1
Copper Sulphate Pentahydrate.....	0.0039
Potassium Aluminum Sulphate.....	0.0009
Manganous Sulphate.....	0.002
Potassium Iodide.....	0.0005
Sodium Fluoride.....	0.0057
Ferric Phosphate.....	0.147

Final pH = 6.1 ± 0.2 at 25°C

DIRECTIONS

Suspend 10.0 G of powder in 1 L of distilled or deionized water. Add other ingredients for growth insect (e.x. amino acid mixture, cholesterol, fatty acid mixture and agar.). Heat until completely dissolved. Sterilize in autoclave at 121°C for 20 minutes. Cool to about 60 °C. Add sugars and vitamins, sterilize by filtration. Dispense into final containers.

DESCRIPTION

Wesson Broth is mineral salts mixture for growth insect.

TECHNIQUE

After autoclaving the medium, add the sugars and vitamins in a sterile chamber, and the diet was again thoroughly mixed, then aseptically dispensed into sterile test tubes. The test tubes were slanted and set aside for 24 hours to allow excess moisture to evaporate before introduction of the larvae.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: off-white.

Prepared medium

Appearance: opaque, may have white precipitate.

Color: white.

STORAGE

The powder is very hygroscopic: store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared medium at 2-6°C.

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REFERENCES

1. Parfitt, E.H. (1993) J. Dairy Sci. 16: 141-147.
2. Scarr M. Pamela (1959) J. Sci. Food Agric. 10 (12): 678-681.

PACKAGING

Cat. No : MB-W3001 Wesson Broth	500 G
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