

## F6797 Frey mycoplasma broth base

Frey Mycoplasma Broth Base with horse serum is used for the cultivation of avian *Mycoplasma*.

### Composition:

Ingredients	Grams/Litre
Casein Enzymic Hydrolysate	7.5
Papaic Digest of Soyabean Meal	2.5
Yeast Extract	5.0
Sodium Chloride	5.0
Potassium Chloride	0.4
Magnesium Sulphate	0.2
Disodium Phosphate	1.6
Monopotassium Phosphate	0.1
Final pH 7.7 +/- 0.2 at 25°C	

Store prepared media below 8°C, protected from direct light. Store dehydrated powder in a dry place in tightly-sealed containers at 2-25°C.

Appearance: Yellow colored, homogeneous, free flowing powder.  
Color and Clarity: Light yellow colored, clear to slightly opalescent solution.

### Directions:

Suspend 22.3 g of Frey Mycoplasma Broth Base in 900 ml of distilled water. Boil 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 100 ml of sterile heat inactivated horse serum (H1138). Mix well before dispensing.

### Principle and Interpretation:

The casein enzymic hydrolysate, papaic digest of soyabean meal and yeast extract are sources of organic nitrogen, carbon, sulphur and vitamin B. Potassium chloride, magnesium chloride and magnesium sulphate provide essential ions. The addition of heat inactivated horse serum serves as a source of growth factors including lipid compounds.

Cultural characteristics at 35°C in a moist aerobic or anaerobic atmosphere with 5-10% carbon dioxide.

Organisms (ATCC)	Growth
<i>Mycoplasma synoviae</i> (25204)	+++
<i>Mycoplasma gallisepticum</i> (19610)	+++
<i>Escherichia coli</i> (25922)	++/+++

### References:

1. Frey, Hanson, Anderson, Am. J. Vet. Res., 29, 2163 (1968)

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

