

**BI309**

**CASEIN ENZYME HYDROLYSATE (TRYPTONE)**

**Specifications**

**Appearance:** Cream to light yellow coloured homogenous free flowing powder, having characteristic odour

Total Nitrogen : Not less than 11.0%  
 Amino nitrogen : Not less than 4%  
 Ash : Not more than 15%  
 Sodium chloride : Not more than 5%

**Clarity (2% solution)** : Clear  
**pH (2% solution) at 25°C** : 6.3-7.3  
**Moisture** : NMT 5%

**Microbial Load:(CFU/g)**

Total aerobic microbial count by plate method when incubated at 35-37 °c for 24 hours

**Bacterial count** : **NMT 5000**

Total Yeast and mold count by plate method when incubated at 25-30 °c for 3 to 5 days.

**Yeast and mold count** :NMT 250

**Test for Specific organism**

E. coli : Absent  
 Salmonella species : Absent  
 Pseudomonas aeruginosa : Absent  
 Staphylococcus aureus : Absent

**Indole & H2S test:** Passes

**Cultural response:** Cultural response observed after an incubation for bacterial at 35-37°C for 18-24 hours by preparing Tryptone water (B1127) using Tryptone as an ingredient.

MICROORGANISM (ATCC)	GROWTH	INDOLE REACTION
Escherichia coli (25922)	Luxuriant	Positive reaction, red ring at the interface of the medium
Enterobacter aerogenes (13048)	Luxuriant	Negative reaction, no colour development / cloudy ring
Klebsiella pneumoniae (13383)	Luxuriant	Negative reaction, no colour development / cloudy ring

**Applications:**

It is rich in tryptophan and used by a wide variety of microorganisms, recommended in a number of media such as Sterility Testing media, Diagnostics Media, media for biochemical characterization etc.

**Precaution**

1. For Laboratory Use
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.

**Storage** : Below 30°C in cool, dry place.

**Packing** : 500 g

**Disclaimer:**

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