

**Product:** Casein, Acid Hydrolysate

**Catalog Number:** i23037

**Lot Number:**

**Date of Release:**

**Expiration Date:**

**Storage Conditions:** Store at 2-30°C. Use before expiry date on the label.

**Dehydrated Appearance:** Off white to light yellow, homogenous, free flowing powder, having Characteristic odor but not putrescent.

**Solubility:** Freely soluble in distilled/purified water, insoluble in alcohol and ether.

**Solution Appearance (1X):** Yellow and clear.

**Total aerobic microbial count (cfu/gm):** By plate method when incubated at 30-35°C for not less than 3 days. Bacterial Count:  $\leq 2000$  CFU/gram.

**pH of 2% solution at 25 °C:** 6.50- 8.0

**Test for pathogens:** 1. *E. coli* - Negative in 10 gr of sample, 2. *Salmonella* species - Negative in 10 gr of sample, 3. *Pseudomonas aeruginosa* - Negative in 10 gr of sample, 4. *Staphylococcus aureus*- Negative in 10 gr of sample, 5. *C. albicans*- Negative in 10 gr of sample, 6. *Clostridia*- Negative in 10 gr of sample.

**Cultural Response:** Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing Tryptone Broth using Casein Peptone as an ingredient.

<i>Organism</i>	<i>ATCC</i>	<i>Recovery</i>
<i>Escherichia coli</i>	25922	Good to excellent
<i>Bacillus subtilis</i>	6633	Luxuriant
<i>Saccharomyces cerevisiae</i>	9080	Luxuriant

\*ATCC is a registered trade mark of the American Type Culture Collection.

QC Department

شرکت زیست کاوش ایرانیان  
کرج، ۴۵ متری گلشهر، کوکب شرقی، ساختمان ایبرسکو. تلفن: ۰۲۶-۳۳۵۱۶۴۶۷، فکس: ۰۲۶۳۳۵۲۳۴۶۰

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