



## Acicase, Certified

CR013

### Intended use

Acicase, Certified is acid digest of milk protein, rich source of free amino acids due to its acid hydrolytic nature. It contains high amount of sodium chloride. It is used in culture media where microbial growth is measured optically for example Antibiotic Assay Media.

### Warning and Precautions

Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Safety guidelines may be referred in individual safety data sheets.

### Limitations

1. It is biological origin product since variation in colour of powder and clarity may observed.
2. Each lot of the product has been tested for the organisms specified on the COA. It is recommended to users to validate the medium for any specific microorganism other than mentioned in the COA based on the user's requirement.
3. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium prepared by the product.

### Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature

### Quality Control

- **Appearance :** Off white to light yellow homogenous free flowing characteristic but not putrescent
- **Solubility :** Freely soluble in distilled water, insoluble in alcohol and ether.
- **Clarity :** 1% w/v aqueous solution is clear without any haziness after autoclaving at 15 lbs pressure (121°C) for 15 minutes.
- **pH :** pH of 2% w/v aqueous solution at 25°C 5.0 - 7.0
- **Microbial Load :**  
Bacterial Count :  $\leq 2000$  CFU/gram by plate method, when incubated at 30-35°C for not less than 3 days  
Yeast & mould Count :  $\leq 100$  CFU/gram by plate method, when incubated at 20-25°C for not less than 5 days..
- **Test for pathogens :** 1. *Escherichia. Coli*- Absent/gram of sample 2. *Salmonella* species- Absent/10 gram of sample 3. *Pseudomonas aeruginosa* - Absent/gram of sample 4. *Staphylococcus aureus*- Absent/gram of sample 5. *Candida albicans* - Absent/gram of sample 6. *Clostridia* - Absent/gram of sample
- **Indole test :** Tryptophan content: Absent

- **Cultural response :** Cultural response observed after incubation at 35 - 37°C for 18-48 hours by preparing Mueller Hinton Agar (M173), using Acicase, Certified as an ingredient.

### Cultural Response

Organism	Growth
<i>Escherichia coli</i> ATCC 25922(WDCM 00013)	Luxuriant
<i>Haemophilus influenzae</i> ATCC 49247	Good-luxuriant(on Mueller Hinton Chocolate Agar)
<i>Neisseria gonorrhoeae</i> ATCC 49226	Luxuriant
<i>Pseudomonas aeruginosa</i> ATCC 27853 (WDCM 00025)	Luxuriant
<i>Staphylococcus aureus</i> subsp.aureus ATCC 25923 (WDCM 00034)	Luxuriant
<i>Enterococcus faecalis</i> ATCC 29212 (WDCM 00087)	Luxuriant
<i>Streptococcus pneumoniae</i> ATCC 6305	Luxuriant (on Mueller Hinton Blood Agar)

### Chemical Analysis :

Total Nitrogen :  $\geq 7.50$  %

Amino Nitrogen :  $\geq 5.00$  %

Sodium chloride :  $\leq 39.00$  %

Loss on drying :  $\leq 5.00$  %

Residue on ignition :  $\leq 39.00$  %

### Storage and Shelf Life

Store between 10-30°C in tightly closed container and away from bright light. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use.

### Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.



Storage temperature



Do not use if package is damaged



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### Disclaimer :

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