

## CM 23969 - LACTALBUMIN HYDROLYSATE TBL

### INTENDED USE

Used in media for tissue culture and therefore reproduction of vaccines of viral origin including foot and mouth disease, polio, dengue, coxsackie B3 and many other viruses. Other uses include growth of lactobacilli, spore growth of clostridia and in fermentation procedures for hormone production.

### PRODUCT SUMMARY AND EXPLANATION

Lactalbumin Hydrolysate, an animal origin peptone, is the enzymatically hydrolyzed protein portion of milk whey. This supplement is a mixture of peptides, amino acids, and carbohydrates, both simple and complex. Lactalbumin Hydrolysate TBL to support the growth of many mammalian, bacterial, and insect cell types, and it has been used to produce both recombinant proteins and animal health vaccines. It is also used this supplement as an amino acid supplement for mammalian cell culture media.

### PRINCIPLE

Lactalbumin contains high levels of essential amino acids. It is recommended for applications requiring a highly soluble source of amino acids and peptides. It is especially useful in fermentations, laboratory media and in tissue culture or suitable for vaccine production.

### INSTRUCTION FOR USE

Lactalbumin Hydrolysate TBL has been used as a nutritional source for lactobacilli. It is also useful for indole testing because of its high tryptophan content. Lactalbumin is frequently used in mammalian cell culture media as an amino acid supplement

### QUALITY CONTROL SPECIFICATIONS

Appearance	:	Creamish to light yellowish colour, free flowing powder having characteristic odour but not pungent smell.
Solubility(2% soln.at 25oC)	:	Soluble in distilled water, clear. Insoluble in alcohol
Clarity(2% Soln.at 121°C.)	:	Clear solution. No ppt
pH (2% Soln.at 25°C)	:	6.5 – 7.5
Loss on drying( at 105°C)	:	NMT – 5.0%
Total Nitrogen (DWB)	:	NLT – 12.0%
αAmino Nitrogen	:	NLT – 4.5%
Total Ash	:	NMT – 10.0%
Chloride (as NaCl)	:	NMT – 5.0%
Indole Test	:	Positive
Microbial Test	:	Passes Test
Growth Promotion Test	:	Passes Test

### PACKAGING

Standard packing is 500gm in plastic bottle. After packing tightly closed in a dry and well-ventilated place.

### STORAGE

Store at room temperature in cool place, Keep plastic bottle tightly closed in a dry and well-ventilated place. 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.



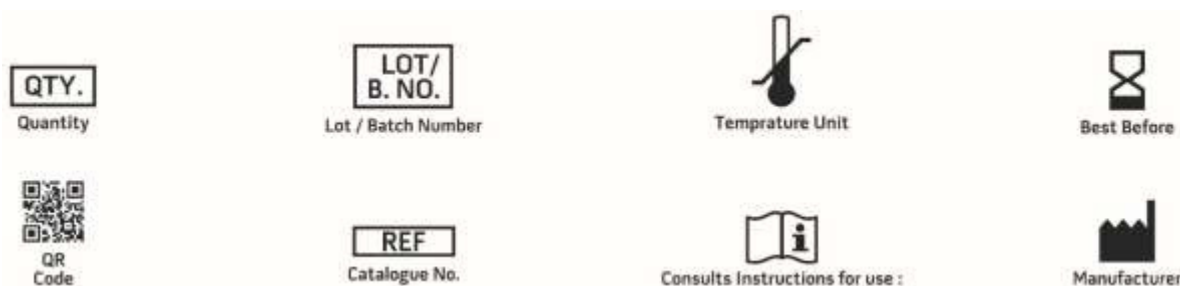
Product Deterioration: Do not use product if any contamination, discoloration or other sign of deterioration is found.

#### DISPOSAL

After use, contact a licenced professional waste disposal service to dispose off this material. Dispose of as unused product.

#### REFERENCES

1. Bridson and Brecker. 1970. Design and formulation of microbial culture media. In Norris and Ribbons (ed.), Methods in microbiology, vol. 3A. Academic Press, New York.



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

\*ForLab Use Only

