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## Product Information

### CASEIN ACID HYDROLYSATE, VITAMIN FREE

Product Number **C7970**  
Storage Temperature 24°C

#### Product Description

Casein Acid Hydrolysate, Vitamin Free is a hydrochloric acid digest of casein without any vitamins. It is a yellow colored, homogeneous, free flowing powder which is freely soluble in water. It is insoluble in ethanol and ether.

#### Analysis

Total Nitrogen:	Not less than 7.1%.
$\alpha$ -Amino Nitrogen:	Not less than 4.6%.
Moisture:	Not more than 4.85%
Ash:	Not more than 40%.
Sodium Chloride:	Not more than 37%.
Final pH of a 1% Solution:	5.5-6.0

#### Applications:

It is specially standardized for the purpose of pertussis vaccine production.

It can also be used as a nutrient for microbes requiring free amino acids for other vaccines/toxins production.

Casein Acid Hydrolysate is an inexpensive source of amino acids for all applications where high salt levels can be tolerated.

#### Precautions and Disclaimer

For laboratory use only. Not for drug, household or other uses.

C7970 6/99

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