

Catalog Number: 104769

## Casein Hydrolysate Acid, Vitamin Free

**Description:** This casein hydrolysate is an hydrochloric acid digest of casein in which the protein molecule has been substantially reduced to its constituent amino acids. Supplied as a sterile 10% solution (diluted HCl).

**Applications:** Laboratory media including basal media for vitamin analysis of folic acid, pantothenic acid, riboflavin, thiamin, niacin, and B-12.

### Typical Analysis of Casein:

Moisture	3.7%	Total Nitrogen	13.3%
Amino N/Total N	73.0%	Sodium Chloride	1.1%
Calcium	0.45%	Iron	< 50 ppm
pH (2% Solution)	5.4		

### Typical Total Amino Acid Assay (mg/g of casein):

Lysine	83.8	Alanine	34.6
Histidine	26.4	Cystine	NC*
Arginine	35.9	Valine	61.5
Aspartic Acid	68.1	Methionine	21.8
Threonine	42.0	Isoleucine	42.4
Serine	54.4	Leucine	71.3
Glutamic Acid	183.0	Tyrosine	29.0
Proline	106.0	Phenylalanine	27.7
Glycine	20.7	Tryptophan	< 0.5

\*Not calculable