



FrieslandCampina 

Ingredients

product data sheet

Stedygro[®] Casein CR90ML

Stedygro Casein CR90ML, acid hydrolysed casein, is a vitamin free acid hydrolysed casein for antibiotic sensitivity testing of microorganisms, with consistent performance.

Product characteristics

Stedygro Casein CR90ML is manufactured in our Delhi, NY facility (NYD10-0001) which is compliant with EC Reg. 1774/2002 assuring ease of export in the EU.

Application

Microbiological culture media, especially Mueller Hinton Agar.

Packaging

This product is packaged in a fiber drum with a polyethylene liner with a net content of 45kg.

Shelf life and storage conditions

In the original sealed packaging, Stedygro Casein CR90ML has a shelf life of at least 5 years. Protein hydrolysates are hygroscopic and can absorb odours. Therefore, adequate protection is essential. Temperatures below 25°C, relative humidity below 65%, and an odour free environment will extend the storage life.



This information is intended for industrial customers only and not intended for consumers.

Peptone agar information

(Average colony sizes (mm) after 48 hours incubation)

Plain peptone agar (2% peptone agar plates)

Escherichia coli	2.3mm
Salmonella typhimurium	1.7mm
Pseudomonas aeruginosa	2.0mm
Bacillus subtilis	3.0mm
Rhodococcus equi	0.2mm
Staphylococcus epidermidis	0.1mm
Staphylococcus aureus	0.3mm
Enterococcus faecalis	0.3mm
Candida albicans	0.1mm

Blood peptone agar (2% peptone agar, 5% sheep blood)

Streptococcus pyogenes (Colony)	0.3mm
ATCC 19615 (Zone)	2.7mm
Grp. B. Streptococcus (Colony)	0.6mm
ATCC 12386 (Zone)	2.0mm
Grp. C. Streptococcus (Colony)	0.5mm
ATCC 12388 (Zone)	4.4mm
Enterococcus faecalis (Colony)	0.6mm
ATCC 29212 (Zone)	0.6mm
Streptococcus pneumoniae (Colony)	0.3mm
ATCC 6305 (Zone)	1.7mm

Typical analysis

Chemical

Protein	56.1%
Amino Nitrogen (AN)	5.4%
Total Nitrogen (TN)	8.8%
AN/TN x 100	61.4%
Ash	33%
NaCl	30%
Moisture	< 3.0%
pH	6.8

Molecular Weight Profile (area %)

> 10,000	0
10,000 - 5,000	0
5,000 - 2000	0
2,000 - 1,000	2
< 1,000	98
Avg. Molecular Weight	305 Daltons
Free Amino Acids	25%

Amino Acid Analysis Measured per 1g of product (in mg)

Alanine	17
Arginine	20
Aspartic acid	53
Cysteine/Cystine	2
Glutamic acid	137
Glycine	10
Histidine	14
Isoleucine	29
Leucine	50
Lysine	46
Methionine	15
Phenylalanine	20
Proline	58
Serine	28
Threonine	20
Tryptophan	< 1
Tyrosine	17
Valine	36

Elemental Analysis Measured per 100g product (in mg)

Calcium	15
Magnesium	5
Potassium	35
Sodium	12250

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