

Product Information

Glutamine-S 200 mM

L-alanyl-L-glutamine solution, 43.44 mg/mL in saline

CATALOG NO. 59212C

Description

L-glutamine is an essential amino acid that is a crucial component of culture media that serves as a major energy source for cells in culture. L-glutamine is very stable as a dry powder and as a frozen solution. In liquid media or stock solutions, however, L-glutamine degrades relatively rapidly. Glutamine-S is a stabilized dipeptide form of L-glutamine which does not degrade in liquid media during storage or incubation.

Precautions

Use aseptic technique when handling this supplement. This product is for further manufacturing use. THIS PRODUCT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.

Storage

Store supplement at -10 to -40 C and use prior to the labeled expiration date. Multiple freeze/thaw cycles should be avoided.

Indications of Deterioration

Supplement should be clear of particulates and flocculent material after warming to 37 C. Do not use if supplement is cloudy or contains precipitate. Other evidence of deterioration may include color change as well as degradation of physical or performance characteristics.

Preparation Instructions

1. Remove product from the freezer and allow it to sit at room temperature for 30 minutes.
2. Thaw the product completely in a 37 C water bath. Agitate every 15 - 20 minutes to avoid gradients from forming. Remove Glutamine-S 200 mM from water bath as soon as it is completely thawed.
3. Supplement cell culture medium with appropriate volume of Glutamine-S 200 mM to achieve desired concentration.

Characteristics

Appearance

Clear solution

Endotoxin (LAL)

Refer to Certificate of Analysis

Osmolality (as supplied)

Refer to Certificate of Analysis

Sterility

No microbial growth detected

United States

SAFC Biosciences, Inc.
13804 W. 107th Street
Lenexa, Kansas 66215
USA

Phone +1 913-469-5580
Toll free-USA 1 800-255-6032
Fax +1 913-469-5584
E-mail info-na@sial.com

Europe

SAFC Biosciences Ltd.
Smeaton Road, West Portway
Andover, Hampshire SP10 3LF
UNITED KINGDOM

Phone +44 (0)1264-333311
Fax +44 (0)1264-332412
E-mail info-eu@sial.com

Asia Pacific

SAFC Biosciences Pty. Ltd.
18-20 Export Drive
Brooklyn, Victoria 3025
AUSTRALIA

Phone +61 (0)3-9362-4500
Toll free-AUS 1 800-200-404
Fax +61 (0)3-9315-1656
E-mail info-ap@sial.com

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Issued December 2006 P59212
0805 1005 0406 0906

www.safcbiosciences.com

United States

SAFC Biosciences, Inc.
13804 W. 107th Street
Lenexa, Kansas 66215
USA
Phone +1 913-469-5580
Toll free-USA 1 800-255-6032
Fax +1 913-469-5584
E-mail info-na@sial.com

Europe

SAFC Biosciences Ltd.
Smeaton Road, West Portway
Andover, Hampshire SP10 3LF
UNITED KINGDOM
Phone +44 (0)1264-333311
Fax +44 (0)1264-332412
E-mail info-eu@sial.com

Asia Pacific

SAFC Biosciences Pty. Ltd.
18-20 Export Drive
Brooklyn, Victoria 3025
AUSTRALIA
Phone +61 (0)3-9362-4500
Toll free-AUS 1 800-200-404
Fax +61 (0)3-9315-1656
E-mail info-ap@sial.com