

Product Information

Hink's TNM-FH Insect Medium

supplemented Grace's, with 4.1 mM L-glutamine, with 3.33 g/L lactalbumin hydrolysate (LAH), with 3.33 g/L ultrafiltered yeastolate

CATALOG NO. 51942C

Description

Hink's TNM-FH medium was developed in 1970 for the culture of cabbage looper, *Trichoplusia ni*, cells. Hink's TNM-FH medium is Grace's original formulation supplemented with lactalbumin hydrolysate (LAH) and yeastolate.

Precautions

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

Storage

Store medium protected from light at 2 to 8 C. Do not freeze. Do not use after the expiration date.

Indications of Deterioration

Medium should be clear of particulates and flocculent material. Do not use if liquid medium is cloudy or contains precipitates. Other evidence of deterioration may include color change or degradation of physical or performance characteristics.

Preparation Instructions

Supplements, such as antibiotics, can be added to the sterilized solution using aseptic technique. Storage conditions and shelf life of the supplemented product may be affected by the nature of the supplements. Sterile serum should not be refiltered before or after being added to sterile medium because growth promoting capacity may be reduced upon refiltration.

Formulation

Component (all components measured in mg/L)	
INORGANIC SALTS	
Calcium chloride dihydrate	1324.600
Magnesium chloride hexahydrate	2280.000
Magnesium sulfate anhydrous	1357.670
Potassium chloride	2240.000
Sodium bicarbonate	350.000
Sodium phosphate monobasic monohydrate	1013.000
VITAMINS	
Biotin	0.010
D-calcium pantothenate	0.020
Choline chloride	0.200
Folic acid	0.020
Myo-inositol	0.020
Niacin	0.020
PABA	0.020
Pyridoxine HCl	0.020
Riboflavin	0.020
Thiamine HCl	0.020
AMINO ACIDS	
β-alanine	200.000
L-alanine	225.000
L-arginine HCl	700.000
L-asparagine monohydrate	397.730
L-aspartic acid	350.000
L-cystine 2HCl	28.680
L-glutamic acid	600.000
L-glutamine	600.000
Glycine	650.000
L-histidine free base	2500.000
L-isoleucine	50.000
L-leucine	75.000
L-lysine HCl	625.000
L-methionine	50.000
L-phenylalanine	150.000
L-proline	350.000
DL-serine	1100.000
L-threonine	175.000
L-tryptophan	100.000
L-tyrosine 2Na dihydrate	72.630
L-valine	100.000
OTHER	
Dextrose anhydrous	700.000
D-fructose	400.000
Fumaric acid	55.000
α-Ketoglutaric acid	370.000
L-malic acid	670.000
Succinic acid free acid	60.000
D+Sucrose	26680.000
Lactalbumin hydrolysate	3330.000
Yeastolate UF	3330.000

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

Characteristics

Appearance

Clear yellow liquid

Endotoxin

≤ 20.0 EU/mL

Osmolality (as supplied)

Refer to Certificate of Analysis

pH (as supplied)

6.1 - 6.4

Sterility

No microbial growth detected

Warranty, Limitation of Remedies

S AFC Biosciences warrants to the purchaser for a period of one year from date of delivery that this product conforms to its specifications. Other terms and conditions of this warranty are contained in SA FC Biosciences' written warranty, a copy of which is available upon request. ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. In no case will SA FC Biosciences be liable for any special, incidental, or consequential damages arising out of this product or the use of this product by the customer or any third party based upon breach of warranty, breach of contract, negligence, strict tort, or any other legal theory. SA FC Biosciences expressly disclaims any warranty against claims by any third party by way of infringement or the like. THIS PRODUCT IS INTENDED FOR PURPOSES DESCRIBED ONLY AND IS NOT INTENDED FOR ANY HUMAN OR THERAPEUTIC USE.

Additional Terms and Conditions are contained in the product Catalog, a copy of which is available upon request.

© 2006 SA FC Biosciences, Inc.

Issued December 2006 P51942
0103 0905 1005 0406 0906

United States

SA FC 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

SA FC 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

SA FC 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

www.safcbiosciences.com