

Product Information

Diamond Vitamin Tween™ 80 Solution 40X

CATALOG NO. 58980C

Description

Adding supplements of vitamins to media both stimulates growth and prolongs cell viability in culture. This concentrated supplement adds nutrients and reduces the biosynthetic burden of cells *in vitro*. All solutions are sterile filtered and screened for cytotoxicity.

Formulation

Component (all components measured in mg/L)	
INORGANIC SALTS	
Thiamine HCl	5.500
VITAMINS	
DL- α -Tocopherol	5.000
Biotin	5.500
D-calcium pantothenate	5.500
Choline chloride	276.700
Cyanocobalamin	4.000
Ergocalciferol	55.000
Folic acid	5.500
DL- α -Lipoic acid	6.700
i-inositol	27.700
Menadione	11.000
Niacin	10.600
Niacinamide	10.600
PABA	27.700
Pyridoxal HCl	10.600
Pyridoxine HCl	10.600
Riboflavin	5.500
Vitamin A acetate	55.000
OTHER	
Ethyl alcohol 190 proof	70.06 mL
Tween™ 80	4445.000

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

To effectively preserve the integrity of this supplement, it should be stored frozen and protected from light. For stability and optimal performance, this product should be stored at -10 to -40 C. Do not use after the expiration date. Multiple freeze/thaw cycles can hasten the degradation process and should be avoided.

Indications of Deterioration

Supplement should be clear of particulates and flocculent material. 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.

Characteristics

Appearance

Clear yellowish solution

Endotoxin (LAL)

≤ 1.0 EU/mL

Osmolality

1140 - 1240 mOsm/kg H₂O

pH

3.5 - 6.5

Sterility

No microbial growth detected

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