



Technical Information

Products for Cell Biology

Cell Freezing Medium B (DMSO Freezing Medium 2X)

Catalog #: 118-257-711 4x50 ml, 50ml

pH: 7.2-7.3

Store at: -10° to -20°C

Shipped at: dry ice

Composition:

| | | | | | |
|--------------------------------|---------|-----|---|-----------|------|
| Sodium Chloride | 6.4540 | g/L | L-Threonine | 0.37800 | g/L |
| Potassium Chloride | 0.2920 | g/L | L-Tryptophan | 0.01260 | g/L |
| Magnesium Chloride Hexahydrate | 0.12600 | g/L | L-Tyrosine *2Na | 0.25330 | g/L |
| Magnesium Sulfate Heptahydrate | 0.12600 | g/L | L-Valine, USP Grade | 0.12600 | g/L |
| Calcium Chloride Anhydrous | 0.06658 | g/L | DMSO | 150.00000 | ml/L |
| Sodium Phosphate Dibasic Hep- | 0.61417 | g/L | D (+) Galactose Anhydrous | 0.56700 | g/L |
| Potassium Phosphate Monobasic | 0.03780 | g/L | HEPES Free Acid | 5.71800 | g/L |
| L-Alanine | 0.28350 | g/L | Phenol Red | 0.00660 | g/L |
| L-Arginine Free Base | 0.31500 | g/L | Sodium Pyruvate | 0.34650 | g/L |
| L-Asparagine*H2O Monohydrate | 0.15750 | g/L | Polyvinylpyrrolidone (PVP) | 20.00000 | g/L |
| L-Cysteine | 0.07560 | g/L | D Pantothenic Acid (D-Calcium Pantothenate) | 0.00063 | g/L |
| Glycine, BioTech Grade | 0.12600 | g/L | Choline Chloride Reagent grade | 0.00063 | g/L |
| L-Histidine | 0.15750 | g/L | Folic Acid | 0.00063 | g/L |
| L-Isoleucine | 0.15750 | g/L | i - inositol | 0.00126 | g/L |
| L-Leucine | 0.07880 | g/L | Niacinamide (Nicotinamide) | 0.00063 | g/L |
| L-Lysine HCl | 0.05860 | g/L | Pyridoxine HCl | 0.00063 | g/L |
| L-Methionine Reagent Grade | 0.09450 | g/L | Riboflavin | 0.00006 | g/L |
| L-Phenylalanine | 0.15750 | g/L | Thiamin HCl | 0.00063 | g/L |
| L-Serine | 0.12600 | g/L | | | |

DESCRIPTION

Quality Biological's (QBI) Cell Freezing Medium B (DMSO Freezing Medium 2X) is prepared from ACS Grade amino acids (cited above) using QBI's Cell Culture Grade Water. The final product is sterile filtered through a 0.1 µm filter.

APPLICATIONS

Cell Freezing Medium B (DMSO Freezing Medium 2X) is frequently used in cell biology research.

DIRECTIONS

Suspend tissue or pelleted cells in cold Cell Freezing Medium A (118-256-051). Transfer to a freezing vial and add equal parts of cold Cell Freezing Medium B. Mix well and store by appropriate methods.

QUALITY CONTROL

General

The quality of a product is a combination of careful selection of raw materials, proper manufacturing procedures and diligent monitoring of each step.

Quality Control is used to determine whether each step in the manufacturing process has been properly carried out and the finished product meets or exceeds the standards established for it.

Product Specific Testing

Cell Freezing Medium B (DMSO Freezing Medium 2X) is routinely tested to verify it meets product specifications for the following parameters:

- pH
- Osmolality
- Microbial Tested
- Performance Tested

The test results of individual lots Cell Freezing Medium B (DMSO Freezing Medium 2X) are available upon request from Technical Services.

Quality Biological, Inc. 7581 Lindbergh Drive, Gaithersburg, Maryland 20879
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REFERENCES

RELATED PRODUCTS

Cell Freezing Medium A (Antibiotic Freezing Medium, 2X)

Catalog # 118-256-711 4x50ml, 50ml

All products sold by Quality Biological are intended for research use only. This product has not been approved for IVD use.

For further information, call either Customer Services or Technical Services at (301) 840-9331 or (800) 443-9331.

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