

Product Description

IMDM is a highly enriched formulation designed for hybridomas, lymphocytes, and other fastidious mammalian cells. Containing selenium, HEPES, and additional nutrients, it supports vigorous growth in high-density cultures. Researchers favor IMDM for immunological studies, monoclonal antibody production, and long-term maintenance of suspension or adherent lines under robust conditions.

Specifications

| | |
|----------------------|--------------------|
| Product | IMDM |
| SKU (Powder) | 61650 |
| SKU (Liquid) | 61600 |
| Appearance | Transparent Liquid |
| pH | 6.9 - 7.3 |
| Osmolality (mOsm/kg) | 270 - 310 |
| Sterility | Pass |
| Endotoxin (EU/ml) | <2 |

Packaging

| Format | Sizes |
|--------|------------------------------------|
| Liquid | Bottle (500ml & 1L) Bags (200L) |
| Powder | 100g, 20 KG |

*Additional sizes available upon request
Inquire for disposable bag information including material of
construction, designs and L&E*

Shelf Life

A 12-month shelf life has been assigned for cell culture media based on alignment with industry-standard shelf designations for classical media formulations of similar composition. Internal stability studies are being conducted to confirm shelf life for Liquid and DPM.

Storage

Dry powder and liquid media should be stored at 2-8 °C, protected from the light.
For Research Use or Further Manufacturing Only

IMDM Base Formula

| No. | Component | CAS No. | g/L (+/- 2%) |
|-----|--------------------------------|-------------|--------------|
| 1 | GLYCINE | 56-40-6 | 0.03 |
| 2 | L-ALANINE | 56-41-7 | 0.025 |
| 3 | L-ARGININE-HCL | 1119-34-2 | 0.084 |
| 4 | L-ASPARAGINE (ANHY) | 70-47-3 | 0.025 |
| 5 | L-ASPARTIC ACID | 56-84-8 | 0.03 |
| 6 | L-CYSTINE-2HCL | 30925-07-06 | 0.0914 |
| 7 | L-GLUTAMIC ACID | 56-86-0 | 0.075 |
| 8 | L-HISTIDINE-HCL-H2O | 5934-29-2 | 0.042 |
| 9 | L-ISOLEUCINE | 73-32-5 | 0.105 |
| 10 | L-LEUCINE | 61-90-5 | 0.105 |
| 11 | L-LYSINE-HCL | 657-27-2 | 0.146 |
| 12 | L-METHIONINE | 63-68-3 | 0.03 |
| 13 | L-PHENYLALANINE | 63-91-2 | 0.066 |
| 14 | L-PROLINE | 147-85-3 | 0.04 |
| 15 | L-SERINE | 56-45-1 | 0.042 |
| 16 | L-THREONINE | 72-19-5 | 0.095 |
| 17 | L-TRYPTOPHAN | 73-22-3 | 0.016 |
| 18 | L-TYROSINE-2NA-2H2O | 122666-87-9 | 0.104 |
| 19 | L-VALINE | 72-18-4 | 0.094 |
| 20 | D-BIOTIN | 58-85-5 | 0.000013 |
| 21 | CHOLINE CHLORIDE | 67-48-1 | 0.004 |
| 22 | CALCIUM D-PANTOTHENATE | 0137-08-06 | 0.004 |
| 23 | FOLIC ACID | 59-30-3 | 0.004 |
| 24 | NIACINAMIDE (NICOTINAMIDE) | 98-92-0 | 0.004 |
| 25 | PYRIDOXAL HYDROCHLORIDE | 65-22-5 | 0.004 |
| 26 | RIBOFLAVIN | 83-88-5 | 0.0004 |
| 27 | THIAMINE-HCL | 67-03-8 | 0.004 |
| 28 | VITAMIN B12 (CYANOCOBALAMIN) | 68-19-9 | 0.000013 |
| 29 | MYO-INOSITOL | 87-89-8 | 0.0072 |
| 30 | CALCIUM CHLORIDE (ANHY) | 10043-52-4 | 0.165 |
| 31 | MAGNESIUM SULFATE (ANHY) | 7487-88-9 | 0.09767 |
| 32 | POTASSIUM CHLORIDE | 7447-40-7 | 0.33 |
| 33 | POTASSIUM NITRATE | 7757-79-1 | 0.000076 |
| 34 | SODIUM BICARBONATE | 144-55-8 | 3.024 |
| 35 | SODIUM CHLORIDE | 7647-14-5 | 4.505 |
| 36 | SODIUM PHOSPHATE MONOBASIC H2O | 10049-21-5 | 0.125 |
| 37 | SODIUM SELENITE (ANHY) | 10102-18-8 | 0.000017 |
| 38 | GLUCOSE | 50-99-7 | 4.5 |
| 39 | HEPES | 7365-45-9 | 5.958 |
| 40 | PHENOL RED-NA | 34487-61-1 | 0.015 |
| 41 | SODIUM PYRUVATE | 113-24-6 | 0.11 |
| | Total | | 20.11 |

Contact info@phb1.com to request a sample or quote



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Proliant Health & Biologicals

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