

M-199 Medium

Cell Culture Media



Product Description

Developed for nutritional research, M199 supports many non-transformed and primary mammalian cells. With a balanced mix of amino acids, vitamins, and nucleotides, it's suitable for embryonic tissues, endothelial cells, and vaccine production. M199 performs well in serum-containing or serum-free environments, making it valuable for developmental and physiological studies.

Specifications

| | |
|----------------------|--------------------|
| Product | M-199 Medium |
| SKU (Powder) | 61750 |
| SKU (Liquid) | 61700 |
| Appearance | Transparent Liquid |
| pH | 7.1 - 7.4 |
| 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

M-199 Base Formula

| No. | Component | CAS No. | g/L (+/- 2%) |
|-----|--|-------------|--------------|
| 1 | GLYCINE | 56-40-6 | 0.05 |
| 2 | HYDROXY-L-PROLINE | 51-35-4 | 0.01 |
| 3 | L-ALANINE | 56-41-7 | 0.025 |
| 4 | L-ARGININE-HCL | 1119-34-2 | 0.07 |
| 5 | L-ASPARTIC ACID | 56-84-8 | 0.03 |
| 6 | L-CYSTEINE HCL H2O | 1880366 | 0.0001 |
| 7 | L-CYSTINE-2HCL | 30925-07-06 | 0.026 |
| 8 | L-GLUTAMIC ACID | 56-86-0 | 0.075 |
| 9 | L-HISTIDINE-HCL-H2O | 5934-29-2 | 0.02188 |
| 10 | L-ISOLEUCINE | 73-32-5 | 0.04 |
| 11 | L-LEUCINE | 61-90-5 | 0.06 |
| 12 | L-LYSINE-HCL | 657-27-2 | 0.07 |
| 13 | L-METHIONINE | 63-68-3 | 0.015 |
| 14 | L-PHENYLALANINE | 63-91-2 | 0.025 |
| 15 | L-PROLINE | 147-85-3 | 0.04 |
| 16 | L-SERINE | 56-45-1 | 0.025 |
| 17 | L-THREONINE | 72-19-5 | 0.03 |
| 18 | L-TRYPTOPHAN | 73-22-3 | 0.01 |
| 19 | L-TYROSINE-2NA-2H2O | 122666-87-9 | 0.058 |
| 20 | L-VALINE | 72-18-4 | 0.025 |
| 21 | L-ASCORBIC ACID | 50-81-7 | 0.00005 |
| 22 | D-BIOTIN | 58-85-5 | 0.00001 |
| 23 | CHOLINE CHLORIDE | 67-48-1 | 0.0005 |
| 24 | CALCIUM D-PANTOTHENATE | 0137-08-06 | 0.00001 |
| 25 | FOLIC ACID | 59-30-3 | 0.00001 |
| 26 | MENADIONE | 58-27-5 | 0.00001 |
| 27 | NIACINAMIDE (NICOTINAMIDE) | 98-92-0 | 0.000025 |
| 28 | NIACIN (NICOTINIC ACID) | 59-67-6 | 0.000025 |
| 29 | PARA-AMINOBENZOIC ACID (PABA) | 150-13-0 | 0.00005 |
| 30 | PYRIDOXAL HYDROCHLORIDE | 65-22-5 | 0.000025 |
| 31 | PYRIDOXINE-HCL | 58-56-0 | 0.000025 |
| 32 | RIBOFLAVIN | 83-88-5 | 0.00001 |
| 33 | THIAMINE-HCL | 67-03-8 | 0.00001 |
| 34 | VITAMIN A (ACETATE) | 127-47-9 | 0.0001 |
| 35 | VITAMIN D2 (ERGOCALCIFEROL) | 50-14-6 | 0.0001 |
| 36 | DL-ALPHA TOCOPH. -P04-2NA | 60934-46-5 | 0.00001 |
| 37 | MYO-INOSITOL | 87-89-8 | 0.00005 |
| 38 | CALCIUM CHLORIDE (ANHY) | 10043-52-4 | 0.2 |
| 39 | FERRIC NITRATE-9H2O | 7782-61-8 | 0.0007 |
| 40 | MAGNESIUM SULFATE (ANHY) | 7487-88-9 | 0.09767 |
| 41 | POTASSIUM CHLORIDE | 7447-40-7 | 0.4 |
| 42 | SODIUM BICARBONATE | 144-55-8 | 2.2 |
| 43 | SODIUM CHLORIDE | 7647-14-5 | 6.8 |
| 44 | SODIUM PHOSPHATE MONOBASIC (ANHY) | 10049-21-5 | 0.122 |
| 45 | 2 -DEOXY-D-RIBOSE | 533-67-5 | 0.0005 |
| 46 | ADENINE SULFATE | 321-30-2 | 0.01 |
| 47 | ADENOSINE 5'-MONOPHOSPHATE | 61-19-8 | 0.0002 |
| 48 | ADENOSINE 5'-TRIPHOSPHATE DISODIUM SALT TRIHYDRATE | 51963-61-2 | 0.001 |
| 49 | CHOLESTEROL | 57-88-5 | 0.0002 |
| 50 | GLUCOSE | 50-99-7 | 1 |
| 51 | L-GLUTATHIONE | 70-18-8 | 0.00005 |
| 52 | GUANINE HCL | 635-39-2 | 0.0003 |
| 53 | HYPOXANTHINE-NA | 45738-97-4 | 0.0004 |
| 54 | PHENOL RED-NA | 34487-61-1 | 0.02 |
| 55 | D-RIBOSE | 50-69-1 | 0.0005 |
| 56 | SODIUM ACETATE (ANHY) | 0127-09-03 | 0.05 |
| 57 | THYMINE | 65-71-4 | 0.0003 |
| 58 | TWEEN 80 | 9005-65-6 | 0.02 |
| 59 | URACIL | 66-22-8 | 0.0003 |
| 60 | XANTHINE-NA | 1196-43-6 | 0.00034 |
| | Total | | 11.65 |

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



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