

Specification

Item number: 1YTP

ROTI®Cell DMEM : F12

CELLPURE® ready-to-use, sterile, with glutamine, with pyruvate, with HEPES

CAS No.: print date: 01.01.2024

formula:

density: ~1 storage temperature: +2 bis +8 °C

molecular weight:

Type analysis

Glucose	3.151 g/l
L-Glutamine	complies
HEPES	15 mM
pH-value	7.0-7.6
Osmolality	280-320 mOsm/kg
Endotoxins	≤1 EU/ml
Sterility	complies

Store at +2°C to +8°C protected from light. Do not freeze! Once opened, use within 6-8 weeks.

Typical Composition (not content of our product specification)

Compound	g/L
Calcium Chloride, Dihydrate	0,1545
Cupric Sulfate Pentahydrate	0,0000013
Ferrous Sulfate Heptahydrate	0,000417
Iron(III) Nitrate Nonahydrate	0,00005
D-Glucose	3,151
Magnesium Sulfate Anhydrous	0,04884
Potassium Chloride	0,3118
Sodium Bicarbonate	1,200
Sodium Chloride	6,996
Sodium Phosphate Monobasic, Anhydrous	0,07102
Sodium Phosphate Dibasic Anhydrous	0,0543
Zinc Sulfate Heptahydrate	0,000432
L-Alanine	0,00445
L-Arginine Monohydrochloride	0,1475

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L-Asparagine Monohydrate	0,0075
L-Aspartic Acid 0,00665	
L-Cysteine Monohydrochloride Monohydrate	0,01756
L-Glutamic Acid	0,00735
L-Glutamine	0,365
Glycine	0,01875
L-Histidine Monohydrochloride Monohydrate	0,03148
L-Isoleucine	0,05447
L-Leucine	0,059
L-Lysine Monohydrochloride	0,09125
L-Methionine	0,01724
L-Phenylalanine	0,03548
L-Proline	0,01725
L-Serine	0,02625
L-Threonine	0,05345
L-Tryptophane	0,009
L-Valine	0,05285
D-Biotin (Vitamin H)	0,0000035
D-Calcium Pantothenate (Vitamin B5)	0,00224
Choline Chloride	0,00898
Cyanocobalamin (Vitamin B12)	0,00068
Folic Acid	0,00266
I-Inositol	0,0126
DL- α -lipoic acid (thioctic acid)	0,000105
Niacinamide (Nicotinamide)	0,00202
Pyridoxine Monohydrochloride	0,000031
Pyridoxal Monohydrochloride	0,002
Riboflavine (Vitamin B2)	0,000219
Thiamine Monohydrochloride (Vitamin B1)	0,00217
Thymidine	0,000365
HEPES	3,5745
Phenol Red Sodium Salt	0,00863
Pyruvic Acid Sodium Salt	0,055
Putrescine Dihydrochloride	0,000081
L-Tyrosine Disodium Salt Dihydrochloride	0,05579
Linoleic Acid	0,000042
L-Cystine Dihydrochloride	0,03129
Hypoxanthine	0,0024
Magnesium Chloride Hexahydrate	0,0612

Our products are tested for laboratory use only.
The stated information refers to the current status of product quality.
We reserve the right to implement necessary changes.

Dr. R. Niemand

Head of Quality Assurance

This document is computer printout and has therefore not been signed by hand.

S. Lorsee

Head of Quality Management

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Die Firma ist eine Kommanditgesellschaft mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRA 100055. Persönlich haftende Gesellschafterin ist die Firma Roth Chemie GmbH mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRB 100428. Geschäftsführer: André Houdelet

