

# Specification

Item number: 1TE8

## ROTI®Cell DMEM High Glucose

### CELLPURE® ready-to-use, sterile, w/o glutamine, w/o phenol red

CAS No.: print date: 01.01.2024

formula:

density: ~1

storage temperature: +2 bis +8 °C

molecular weight:

#### Type analysis

|                   |                 |
|-------------------|-----------------|
| <b>Glucose</b>    | 4.5 g/l         |
| <b>pH-value</b>   | 7.0-7.6         |
| <b>Osmolality</b> | 320-360 mOsm/kg |
| <b>Endotoxins</b> | ≤1.0 EU/ml      |
| <b>Sterility</b>  | complies        |

Store at +2°C to +8°C protected from light. Do not freeze! Once opened, store at 4°C and use within 6-8 weeks.

Typical Composition (not content of our product specification)

| Compound                                     | g/L     |
|--|---------|
| Calcium Chloride, Dihydrate                  | 0,265   |
| D-Glucose                                    | 4,500   |
| Iron(III) Nitrate Nonahydrate                | 0,0001  |
| Magnesium Sulfate Heptahydrate               | 0,200   |
| Potassium Chloride                           | 0,400   |
| Sodium Bicarbonate                           | 3,700   |
| Sodium Chloride                              | 6,400   |
| Sodium Phosphate Monobasic,<br>Dihydrate     | 0,14173 |
| L-Arginine Monohydrochloride                 | 0,084   |
| Glycine                                      | 0,030   |
| L-Histidine Monohydrochloride<br>Monohydrate | 0,042   |
| L-Isoleucine                                 | 0,105   |
| L-Leucine                                    | 0,105   |
| L-Lysine Monohydrochloride                   | 0,146   |
| L-Methionine                                 | 0,030   |
| L-Phenylalanine                              | 0,066   |
| L-Serine                                     | 0,042   |

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|   |         |
|---|---------|
| L-Threonine                                 | 0,095   |
| L-Tryptophane                               | 0,016   |
| L-Valine                                    | 0,094   |
| D-Calcium Pantothenate<br>(Vitamin B5)      | 0,004   |
| Choline Chloride                            | 0,004   |
| Folic Acid                                  | 0,004   |
| I-Inositol                                  | 0,0072  |
| Niacinamide (Nicotinamide)                  | 0,004   |
| Pyridoxal Monohydrochloride                 | 0,004   |
| Riboflavine (Vitamin B2)                    | 0,0004  |
| Thiamine Monohydrochloride<br>(Vitamin B1)  | 0,004   |
| L-Tyrosine Disodium Salt<br>Dihydrochloride | 0,10379 |
| L-Cystine Dihydrochloride                   | 0,06257 |

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.

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**Dr. R. Niemand**  
*Head of Quality Assurance*

**S. Lorsee**  
*Head of Quality Management*

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

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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

