





| | | | |
|----------------|-----------------------------|--------------|--------------------|
| Document ID: | TDS-MCP-043-50L | Version: | 004 |
| Date of Issue: | 30-APR-2021 | Approved by: | Anna Becker |
| Review Date: | 10-JAN-2022 | Signature: | <i>Anna Becker</i> |
| Title: | TECHNICAL DATA SHEET | | |

SPECIMEN

| | |
|---------------------------------|--|
| Product Name | RPMI 1640 |
| Filtration/Treatment | With 25 mM HEPES, without L-Glutamine, with Phenol Red |
| Product Codes | MCP-043-50L |
| Shelf Life | 4 years |
| Storage Temperature | 2 to 8 °C |
| Shipping Temperature | ambient |
| Substance | Concentration (mg/L) |
| Amino Acids | |
| Glycine | 10.00 |
| L-Arginine, Hydrochloride | 242.31 |
| L-Asparagine, Anhydrous | 50.00 |
| L-Aspartic Acid | 20.00 |
| L-Cystine, Dihydrochloride | 65.00 |
| L-Histidine, Anhydrous | 15.00 |
| L-Hydroxyproline | 20.00 |
| L-Isoleucine | 50.00 |
| L-Leucine | 50.00 |
| L-Lysine, Hydrochloride | 40.00 |
| L-Methionine | 15.00 |
| L-Phenylalanine | 15.00 |
| L-Proline | 20.00 |
| L-Serine | 30.00 |
| L-Threonine | 20.00 |
| L-Tryptophan | 5.00 |
| L-Tyrosine, Disodium, Dihydrate | 29.00 |
| L-Valine | 20.00 |
| Vitamins | |
| Biotin | 0.20 |
| Choline Chloride | 3.00 |
| D-Calcium Pantothenate | 0.25 |
| Folic Acid | 1.00 |
| Myo-Inositol | 35.00 |
| Niacinamide | 1.00 |
| para-Aminobenzoic Acid | 1.00 |
| Pyridoxine, Hydrochloride | 1.00 |
| Riboflavin | 0.20 |
| Thiamine, Hydrochloride | 1.00 |
| Vitamin B12 | 0.01 |
| Other Components | |
| D-Glucose, Anhydrous | 2000.00 |
| Glutathione, Reduced | 1.00 |
| HEPES | 5958.00 |
| Phenol Red, Sodium Salt | 5.00 |
| Inorganic Salts | |
| Calcium Nitrate, Tetrahydrate | 100.00 |

| | | | | |
|---|----------------|-----------------------------|--------------|---|
|  | Document ID: | TDS-MCP-043-50L | Version: | 004 |
| | Date of Issue: | 30-APR-2021 | Approved by: | Anna Becker |
| | Review Date: | 10-JAN-2022 | Signature: |  |
| | Title: | TECHNICAL DATA SHEET | | |

| Substance | Concentration (mg/L) |
|---------------------------------------|---------------------------|
| Magnesium Sulfate, Anhydrous | 48.84 |
| Potassium Chloride | 400.00 |
| Sodium Chloride | 6000.00 |
| Sodium Phosphate Dibasic, Anhydrous | 800.70 |
| Specifications | |
| Appearance | Light-orange powder |
| Solubility | 16.07 g/L in ≤ 30 minutes |
| Moisture Content | ≤ 2.0 % |
| Particle Size (100 mesh) | ≥ 90% |
| pH without NaHCO ₃ | Record |
| pH with NaHCO ₃ | Record |
| Osmolality without NaHCO ₃ | Record |
| Osmolality with NaHCO ₃ | Record |
| Endotoxin | ≤ 1.0 EU/ml |
| Mycoplasma | Not detected |
| Cell Culture – Cell Growth Promotion | 3 Passages |
| Viability | ≥ 75% |

Note: Sodium Bicarbonate is not included in the powdered media (2000.00 mg/L).

THIS PRODUCT IS FOR LABORATORY USE ONLY.



India Contact:
 Life Technologies (India) Pvt. Ltd.
 306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com