



# Agilent Seahorse XF RPMI Medium (without Phenol Red)

## Data Sheet

### Agilent Seahorse XF RPMI Medium (without Phenol Red) (0 mM Glucose)

Part number: 103336-100

Agilent Seahorse XF RPMI Medium (without Phenol Red) is for use with Agilent Seahorse Bioscience XF instruments, Agilent Seahorse XF Assay Kit cartridges, and Agilent Seahorse XF Cell Culture Microplates. XF Base Medium (without Phenol Red) has been developed to allow customization of substrates in your assay medium.

The constituents are based on Roswell Park Memorial Institute Medium (RPMI). No sodium bicarbonate (tissue culture buffering agent), glucose, glutamine/GlutaMAX, or sodium pyruvate is present allowing the user to specifically customize the assay medium for their experimental design. No phenol red allows for the most accurate measurement of pH. For the most accurate measure of pH, we recommend the addition of HEPES for minimal buffering.

### Medium Specifications

Parameter	Value
Osmolality	285 mOsm/Kg H <sub>2</sub> O
Endotoxin	< 0.0052 EU/mL
Storage	4 °C
Expiration	18 months when stored at 4 °C

### Medium Formulation

Component	Final concentration
Mg <sup>2+</sup> (as MgSO <sub>4</sub> )	0.4 mM
Ca <sup>2+</sup> (as Ca(NO <sub>3</sub> ) <sub>2</sub> • 4H <sub>2</sub> O)	0.4 mM
NaCl	102.7 mM
KCl	5.4 mM
NaH <sub>2</sub> PO <sub>4</sub>	5.6 mM
Phenol Red	0 mg/L

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### Other Constituents

Biotin, Calcium nitrate tetrahydrate, D-Ca-Pantothenate, Choline chloride, Cyanocobalamin, Folic acid, Glycine, Glutathione, i-Inositol, L-Arginine, L-Asparagine hydrate, L-Aspartic acid, L-Cystine\*2HCl, L-Glutamic acid, L-Histidine, L-Hydroxyproline, L-Isoleucine, L-Leucine, L-Lysine\*HCl, L-Methionine, L-Phenylalanine, L-Proline, L-Serine, L-Threonine, L-Tryptophan, L-Tyrosine\*2Na\*2H<sub>2</sub>O, L-Valine, Nicotinamide, *para*-Aminobenzoic acid, Pyridoxine\*HCl, Riboflavin, and Thiamine\*HCl



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