



Agilent Seahorse XF Base Medium

Data Sheet

Agilent Seahorse XF Base Medium (0 mM Glucose)

Part numbers: 102353-100 (2 × 1 liter), 103334-100 (500mL), 103193-100 (100 mL)

Agilent Seahorse XF Base Medium 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 has been developed to allow customization of substrates in your assay medium.

The constituents are based on Dulbecco's Modified Eagle's Medium (DMEM). 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.

Medium Specifications

Parameter	Value
Osmolality	291 mOsm/Kg H ₂ O
Endotoxin	< 0.0052 EU/mL
Storage	4 °C
Expiration	18 months when stored at 4 °C

Medium Formulation

Component	Final concentration
Mg ²⁺ (as MgSO ₄)	0.8 mM
Ca ²⁺ (as CaCl ₂)	1.8 mM
NaCl	143 mM
KCl	5.4 mM
NaH ₂ PO ₄	0.91 mM
Phenol Red	3 mg/L

Other Constituents

L-Arginine*HCl, L-Cystine*2HCl, Glycine, L-Histidine*HCl*H₂O, L-Isoleucine, L-Leucine, L-Lysine*HCl, L-Methionine, L-Phenylalanine, L-Serine, L-Threonine, L-Tryptophan, L-Valine, L-Tyrosine*2Na*2H₂O, Folic acid, Riboflavin, D-Ca-Panthenate, Choline chloride, i-Inositol, Nicotinamide, Pyridoxine*HCl, and Thiamine*HCl

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