Agilent Seahorse XF Base Medium (without Phenol Red)

Data Sheet

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

Part number: 103335-100

Agilent Seahorse XF Base 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 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. 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 Specfications

Parameter	Value
Osmolality	291 mOsm/Kg H_2O
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_2PO_4	0.91 mM
Phenol Red	0 mg/L

Other Constituents

L-Arginine*HCl, L-Cystine*2HCl, Glycine, L-Histidine*HCl*H_2O, L-Isoleucine, L-Leucine, L-Lysine*HCl, L-Methionine, L-Phenylalanine, L-Serine, L-Threonine, L-Tryptophan, L-Valine, L-Tyrosine*2Na*2H_2O, Folic acid, Riboflavin, D-Ca-Panthothenate, Choline chloride, i-Inositol, Nicotinamide, Pyridoxine*HCl, and Thiamine*HCl

www.agilent.com

For Research Use Only. Not for use in diagnostic procedures.

This information is subject to change without notice.

© Agilent Technologies, Inc., 2017
Published in the USA, February 22, 2017
103335-503 Rev. C

Agilent Technologies