
	Document ID:	TDS-BHL-008-500ML	Version:	001
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	Title:	TECHNICAL DATASHEET		

Earle's Balanced Salts solution (EBSS) 10X (without Calcium, Magnesium, and Sodium Bicarbonate; with Phenol Red)

Filtration, Treatment	0.1µm sterile filtered
Product Code	BHL-008-500ML
Shelf Life	4 Years from DOM
Storage Temperature	2-25°C
Shipping Temperature	ambient

QC Specifications

Physical and Chemical Analysis	Method	Specifications	Units
Appearance	Visual	clear, red solution	n/a
pH at RT at 10X without NaHCO ₃	Electronic pH Meter	4.0 – 4.5	n/a
pH at RT AT 1X without NaHCO ₃	Electronic pH Meter	4.4 – 5.5	n/a
pH at RT at 1X with NaHCO ₃	Electronic pH Meter	7.0 - 8.1	n/a
Osmolality at 1X without NaHCO ₃	Osmometer	220 - 250	mOsm/kg
Osmolality at 1X with NaHCO ₃	Osmometer	260 - 310	mOsm/kg
Endotoxin at 1X	LAL Kinetic	≤ 1.0	EU/ml
Glucose Concentration	Chemistry Analyzer	9.5 – 10.5	g/L
Sterility			
Aerobic Bacteria	Internally Validated	Not detected	n/a
Anaerobic Bacteria	Internally Validated	Not detected	n/a
Fungi (Yeast & Mold)	Internally Validated	Not detected	n/a
Mycoplasma	qPCR	Not detected	n/a

Formulation

Components	CAS number	Concentration (mg/L)
Potassium chloride	7447-40-7	4000.00
Sodium chloride	7647-14-5	68000.00
Sodium phosphate monobasic monohydrated	7558-80-7	1400.00
D-Glucose	50-99-7	10000.00
Phenol Red, sodium salt	34487-61-1	110.00

Ordering information

Product Code	Description	Product Information	Storage	Size
BHL-008-500ML	Earle's Balanced Salts 10X	without Calcium, Magnesium, and Sodium Bicarbonate; with Phenol Red, 0.1 µm sterile filtered	2-25°C	500 ml
BHL-008-100ML	Earle's Balanced Salts 10X	without Calcium, Magnesium, and Sodium Bicarbonate; with Phenol Red, 0.1 µm sterile filtered	2-25°C	100 ml

Add 2200 mg/L sterile Sodium Bicarbonate at 1X.

Product Use: This product is intended for laboratory use only.