

Molecular Reagents Formulation

Cat. No.	46-020 20x Liquid SSC Buffer	46-010 10x Liquid TAE Buffer	46-011 10x Liquid TBE Buffer	46-030 1M Liquid Tris HCl pH 7.5	46-031 1M Liquid Tris HCl pH 8.0	46-000 Liquid Deionized Water	46-050 Liquid LB Broth	46-055 Liquid Terrific Broth
	g/L	g/L	g/L	g/L	g/L	g/L	g/L	g/L
Components								
Boric acid	--	--	55.00	--	--	--	--	--
Casein peptone	--	--	--	--	--	--	10.00	12.00
EDTA free acid (anhydrous)	--	2.922	2.92	--	--	--	--	--
Glacial acetic acid	--	11.42	--	--	--	--	--	--
Glycerol (mL)	--	--	--	--	--	--	--	4.00 (mL)
KH ₂ PO ₄	--	--	--	--	--	--	--	2.31
K ₂ HPO ₄	--	--	--	--	--	--	--	12.54
NaCl	175.35	--	--	--	--	--	10.00	--
Na citrate • 2H ₂ O	88.20	--	--	--	--	--	--	--
Tris	--	48.40	108.00	21.78	48.50	--	--	--
Tris HCl	--	--	--	128.74	94.50	--	--	--
UF yeast powder	--	--	--	--	--	--	5.00	24.00
Specifications								
pH (before adjustment)	--	--	--	--	--	--	--	--
pH	7.0 ± 0.1	8.4 ± 0.1 (24-26°C)	8.4 ± 0.1 (24-26°C)	7.5 ± 0.1 (24-26°C)	8.0 ± 0.1 (24-26°C)	6.0 ± 1.0	INFO	INFO
Osmolality (mOsm/kg)	--	--	--	--	--	--	INFO	445 ± 20
Conductivity	--	9.2 ± 0.2 mS/cm @ 20-25°C	--	--	--	Meets USP for Pack- aged Water	--	--

Cat. No.	46-003 Liquid S.O.C Medium
	g/L
Components	
UF yeast powder	5.00
Casein Peptone	20.0
Dextrose	3.6032
KCl	0.186375
NaCl	0.5845
MgCl ₂ (anhydrous)	0.9521
MgSO ₄ (anhydrous)	1.2056
Specifications	
pH	6.8 ± 0.5
Osmolality (mOsm/kg)	180 ± 15

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Corning Incorporated, One Riverfront Plaza, Corning, NY 14831-0001

Mediatech, Inc.
A Corning Subsidiary
9345 Discovery Blvd.
Manassas, VA 20109
t 800.235.5476
f 703.471.0363

www.cellgro.com