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## APPENDICES

### **Middlebrook 7H9 Broth Base**

#### **Composition\*\***

Ingredients	Gms / Litre
Ammonium sulphate	0.500
Disodium phosphate	2.500
Monopotassium phosphate	1.000
Sodium citrate	0.100
Magnesium sulphate	0.050
Calcium chloride	0.0005
Zinc sulphate	0.001
Copper sulphate	0.001
Ferric ammonium citrate	0.040
L-Glutamic acid	0.500
Pyridoxine	0.001
Biotin	0.0005
Final pH (at 25°C)	6.6±0.2

\*\*Formula adjusted, standardized to suit performance parameters

### **Middlebrook 7H10 Broth Base**

#### **Composition\*\***

Ingredients	Gms / Litre
Ammonium sulphate	0.500
L-Glutamic acid	0.500
Monopotassium phosphate	1.500
Sodium citrate	0.400
Ferric ammonium citrate	0.040
Magnesium sulphate	0.025
Calcium chloride	0.0005

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Zinc sulphate	0.001
Copper sulphate	0.001
Pyridoxine hydrochloride	0.001
Biotin	0.0005
Malachite green	0.00025
Agar	15.000
Final pH ( at 25°C)	6.6±0.2

**\*\*Formula adjusted, standardized to suit performance parameters**

### **Luria Bertani Broth**

#### **Composition\*\***

Ingredients	Gms / Litre
Casein enzymic hydrolysate	10.000
Yeast extract	5.000
Sodium chloride	10.000
Final pH ( at 25°C)	7.5±0.2

**\*\*Formula adjusted, standardized to suit performance parameters.**

### **Sauton's minimal media**

#### **Composition\*\***

Ingredients	Gms / Litre
Ferric ammonium citrate (brown)	0.0167
L-Asparagine	1.330
Citric acid	0.660
Magnesium sulphate, 7H <sub>2</sub> O	0.166
Dipotassium hydrogen phosphate	0.177
Sodium dihydrogen phosphate	0.056
Sodium chloride	0.035
Polysorbate 80	0.833
Chelex 100 resin	10
Final pH ( at 25°C)	7.2±0.2

**\*\*Formula adjusted, standardized to suit performance parameters.**

**M63 media**

**Composition\*\***

**5X stock**

Ingredients	Gms / Litre
Ammonium Sulfate	5
Potassium Phosphate mono	34
Ferrous Sulfate	.00125

**Additional Components for 1X Working Solution**

Ingredients	Concentration
glucose	2%
Casamino Acids	0.5%
MgSO <sub>4</sub>	1 mM
CaCl <sub>2</sub>	0.7 mM

**\*\*Formula adjusted, standardized to suit performance parameters.**

**PBS ( 1X solution)**

Ingredients	Concentration
NaCl	0.8
KCl	0.2
Na <sub>2</sub> HPO <sub>4</sub>	1.44
KH <sub>2</sub> PO <sub>4</sub>	0.24