

**1023. MANNING MEDIUM**

$(\text{NH}_4)_2\text{SO}_4$	6.00	g
KCl	0.20	g
$\text{K}_2\text{HPO}_4$	0.20	g
$\text{MgSO}_4 \times 7 \text{ H}_2\text{O}$	1.00	g
$\text{Ca}(\text{NO}_3)_2$	0.02	g
Distilled water	1000.00	ml

**Solution A:**

$\text{FeSO}_4 \times 7 \text{ H}_2\text{O}$	33.40	g/l
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**Solution B:**

Yeast extract	0.20	g/l
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Solution A is separately autoclaved and added to the medium. The medium is supplemented with Solution B (yeast extract). Medium pH adjusted by 0.1 N  $\text{H}_2\text{SO}_4$  to pH 2.5 - 2.7.