

388. DICTYOGLOMUS MEDIUM

KH_2PO_4	1.50	g
$\text{Na}_2\text{HPO}_4 \times 12 \text{ H}_2\text{O}$	4.20	g
NH_4Cl	0.50	g
$\text{MgCl}_2 \times 6 \text{ H}_2\text{O}$	0.38	g
$\text{CaCl}_2 \times 2 \text{ H}_2\text{O}$	0.06	g
$\text{Fe}(\text{NH}_4)_2(\text{SO}_4)_2 \times 6 \text{ H}_2\text{O}$	0.04	g
$\text{CoCl}_2 \times 6 \text{ H}_2\text{O}$ solution (0.1% w/v)	2.90	ml
$\text{Na}_2\text{MoO}_4 \times 2 \text{ H}_2\text{O}$ solution (0.1% w/v)	2.40	ml
$\text{Na}_2\text{SeO}_3 \times 5 \text{ H}_2\text{O}$ solution (0.01% w/v)	1.70	ml
$\text{MnCl}_2 \times 4 \text{ H}_2\text{O}$ solution (0.1% w/v)	2.00	ml
ZnSO_4 solution (0.1% w/v)	2.80	ml
Yeast extract	2.00	g
Polypeptone	2.00	g
Starch, soluble	5.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Na_2CO_3	1.00	g
L-Cysteine-HCl $\times \text{H}_2\text{O}$	1.00	g
Vitamin solution (see medium 141)	10.00	ml
Distilled water	1000.00	ml

Dissolve ingredients (except carbonate, cysteine and vitamins), bring medium to the boil, then cool to room temperature under 100% N_2 gas atmosphere. Add and dissolve carbonate and cysteine, adjust pH to 7.2, then dispense under 100% N_2 gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add vitamins from an anoxic stock solution prepared under 100% N_2 gas and sterilized by filtration. Adjust pH of complete medium to 7.2, if necessary.