

# Bristol Medium Recipe

## Directions

H.C. Bold's modification of Bristol's recipe (Bold 1949). General purpose freshwater medium and as bristol's solution, an essential component of other media--see Bold 1NV, Bold 3N, Bristol-NaCl, LDM, Proteose, Soil extract, and Trebouxia.

For 1 L Total

1. To approximately 900 mL of dH<sub>2</sub>O add each of the components in the order specified while stirring continuously.

2. Bring total volume to 1 L with dH<sub>2</sub>O.

\*For 1.5% agar medium add 15 g of agar into the flask; do not mix.

3. Cover and autoclave medium.

4. Store at refrigerator temperature.

#	Component	Amount	Stock Solution Concentration	Final Concentration
1	NaNO <sub>3</sub> (Fisher BP360-500)	10 mL/L	10 g/400mL dH <sub>2</sub> O	2.94 mM
2	CaCl <sub>2</sub> ·2H <sub>2</sub> O (Sigma C-3881)	10 mL/L	1 g/400mL dH <sub>2</sub> O	0.17 mM
3	MgSO <sub>4</sub> ·7H <sub>2</sub> O (Sigma 230391)	10 mL/L	3 g/400mL dH <sub>2</sub> O	0.3 mM
4	K <sub>2</sub> HPO <sub>4</sub> (Sigma P 3786)	10 mL/L	3 g/400mL dH <sub>2</sub> O	0.43 mM
5	KH <sub>2</sub> PO <sub>4</sub> (Sigma P 0662)	10 mL/L	7 g/400mL dH <sub>2</sub> O	1.29 mM
6	NaCl (Fisher S271-500)	10 mL/L	1 g/400mL dH <sub>2</sub> O	0.43 mM