



### MINERAL MEDIUM (BRUNNER) (DSMZ-Medium 457)

$\text{Na}_2\text{HPO}_4$	2.44	g
$\text{KH}_2\text{PO}_4$	1.52	g
$(\text{NH}_4)_2\text{SO}_4$	0.50	g
$\text{MgSO}_4 \times 7 \text{H}_2\text{O}$	0.20	g
$\text{CaCl}_2 \times 2 \text{H}_2\text{O}$	0.05	g
Trace element solution SL-4	10.00	ml
Distilled water	1000.0	ml

Adjust pH 6.9.

Prepare a separate solution of the phosphates and autoclave separately.

Combine the two solutions after cooling.

#### *Trace element solution SL-4:*

$\text{Na}_2\text{-EDTA}$	0.50	g
$\text{FeSO}_4 \times 7 \text{H}_2\text{O}$	0.20	g
Trace element solution SL-6	100.00	ml
Distilled water	900.00	ml

#### *Trace element solution SL-6:*

$\text{ZnSO}_4 \times 7 \text{H}_2\text{O}$	0.10	g
$\text{MnCl}_2 \times 4 \text{H}_2\text{O}$	0.03	g
$\text{H}_3\text{BO}_3$	0.30	g
$\text{CoCl}_2 \times 6 \text{H}_2\text{O}$	0.20	g
$\text{CuCl}_2 \times 2 \text{H}_2\text{O}$	0.01	g
$\text{NiCl}_2 \times 6 \text{H}_2\text{O}$	0.02	g
$\text{Na}_2\text{MoO}_4 \times 2 \text{H}_2\text{O}$	0.03	g
Distilled water	1000.00	ml