## 1720. Mineral medium (Jagmann)

| | | |
|---|---|---|
| KCl | 1.00 | g |
| NaCl | 0.40 | g |
| $NH_4Cl$ | 0.27 | g |
| $MgSO_4$ x 7 $H_2O$ | 0.06 | g |
| $CaCl_2$ | 0.001 | g |
| $K_2HPO_4$ | 0.018 | g |
| $NaH_2PO_4$ | 0.006 | g |
| 4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid (HEPES) | 4.70 | g |
| Trace element sol. SL-10 | 1.00 | ml |
| Distilled water | 1000.00 | ml |

Dissolve and autoclave. pH should be 7.0-7.2.

*Trace element solution SL-10:*

| | | |
|---|---|---|
| HCl (25%; 7.7 M) | 10.00 | ml |
| $FeCl_2$ x 4 $H_2O$ | 1.50 | g |
| $ZnCl_2$ | 70.00 | mg |
| $MnCl_2$ x 4 $H_2O$ | 100.00 | mg |
| $H_3BO_3$ | 6.00 | mg |
| $CoCl_2$ x 6 $H_2O$ | 190.00 | mg |
| $CuCl_2$ x 2 $H_2O$ | 2.00 | mg |
| $NiCl_2$ x 6 $H_2O$ | 24.00 | mg |
| $Na_2MoO_4$ x 2 $H_2O$ | 36.00 | mg |
| Distilled water | 990.00 | ml |

First dissolve $FeCl_2$ in the HCl, then dilute in water, add and dissolve the other salts. Finally make up to 1000.0 ml.