

DEFINED MINIMAL MEDIA

93.5 mM NH ₄ Cl (ammonium chloride)	5.0g
25 mM KH ₂ PO ₄	3.4g
2.5% glycerol	25ml
51 mM monosodium glutamate (or Na glutamate salts)	8.6g
110 mM disodium succinate	29.7g
10 mM nitrilotriacetic acid	1.91g

Make up to 1 litre with dH₂O and dissolve with stirring. Adjust the pH to 6.6 to 6.8

5 mM MgSO ₄ .7H ₂ O (or other Mg salt)	1.24g
18 uM FeSO ₄ .7H ₂ O	5mg

This medium is for the production of exoenzyme S. Exoenzyme S activity is unstable (unlike that made in TSBD media) and each freeze/thaw cycle reduces the activity approximately 30%. It is a good medium as it gives low batch to batch variation.