

Kappler-Marrack Complete Tumor Medium

S-MEM Biosource P106-500 500 ml bottles w/o glutamine

**To make Complete Tumor Medium combine one 500 ml bottle MEM
+ 30 ml Tumor Cocktail
+ 50 ml FCS**

**It is best to use this medium within 7 days of mixing together.
Store at 4°C.**

Tumor Cocktail

In a large beaker mix:

MEM	Biosource P106-500	351 mls	702 mls	2106ml
Dextrose	Sigma G7021	7.5 gm	15 gm	45gm
Glutamine	Sigma G-8540	3.259gm	6.52 gm	19.55g
Essential Amino Acids (50X)	Gibco 111-30051	75 mls	150 mls	450ml
Non-essential Amino Acids(100X)	Gibco 11140-050	140mls	280 mls	840ml
Sodium Pyruvate (100X)	Gibco 11360-070	100 mls	200 mls	600ml
Adjust pH to 7.0 with 10N NaOH.		5.33ml	10.66ml	32 ml
Add:				
Sodium Bicarbonate	Sigma S-5761	8.5gm	17gm	51 gm
Gentamycin	Sigma G-3632	500mg	1gm	3 gm
Penicillin G	Sigma P3032	600 mg	1.2gm	3.6gm
Streptomycin Sulfate	Sigma S-9137	1 gm	2 gm	6 gm
2-Mercaptoethanol(14.3 M)	Sigma M-7522	34 ul	68ul	204ul
Total volume:		669 mls	1338ml	4014ml
Number of tubes, 30 mls each		22.3	44.6	133

Filter through 0.22 micron filter.

Aliquot 30 mls per tube. Store at -20° C.