

PROTOCOL FOR PREPARING COMPLETE CELL CULTURE MEDIUM AND G418-CONTAINING MEDIUM

Lan Zhou 11/01/00, Edited by JYP 8/12/02

1. Prepare complete DMEM, McCoy's 5A and RPMI1640 (500ml):

500ml DMEM

50ml prepared FBS (fetal bovine serum, its final concentration is almost 10%)

6ml prepared Penicillin/Streptomycin (P/S, 100x)

mix well

2. Prepare complete EMEM (500ml):

500ml EMEM

50ml prepared FBS

6ml P/S

6ml prepared NEAA (non-essential amino acid solution)

6ml prepared Na-Pyr (sodium pyruvate)

mix well

3. Prepare G418-containing medium:

Make sure the concentration and the total volume of the desired G418 stock.

Weigh the amount of desired G418 and dissolve it in about 30ml complete medium.

Filter the mix and pour it into complete DMEM.

Mix well.