

### MC-38 Cell Line

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#### **Growth Conditions:**

- Cells are adherent
- Maintain cells at 80% confluency
- Cells are normally split on Tuesdays and Fridays
- Split cells 1:10 for use in 2-3 days
- Split 1:40 for routine Tues/Fri maintenance
- (trypsin 1X for 2-3 min is sufficient)

#### **Medium:**

Dulbecco's modified MEM with 10% fetal bovine serum, 2mM glutamine, 0.1 mM nonessential amino acids, 1 mM sodium pyruvate, 10 mM HEPES, 50ug/ml gentamycin sulfate, pen/strep.

#### **Formulation:**

500 mL DMEM (4.5g/l glucose)  
Remove 78.5 ml, discard

#### **Add:**

50 mL FBS (for 10%)  
5 mL non-essential amino acids (10mM or 100x stock)  
5 mL sodium pyruvate (100 mM stock)  
5 mL Glutamine (200 mM stock)  
0.5 mL Gentamicin (50 mg/mL stock)  
5 mL HEPES (1 M stock)  
5 mL Pen/Strep (100x stock)