

## SOP-P030

### Preparation of Working $\alpha$ -MEM Medium

**Objective:** To prepare working medium for the growth and propagation of C5 CHO cells

**Procedure:**

1. In a sterile environment such as a laminar flow hood, measure out 180 ml  $\alpha$ -MEM stock medium (refer to SOP#-P029 for Preparation of  $\alpha$ -MEM Stock Medium) into a sterile graduated cylinder.
2. Add the following to the cylinder:
  - 10 ml heat-inactivated fetal calf serum (refer to SOP#-P015 for Heat Inactivation of Bovine Sera)
  - 10 ml heat-inactivated newborn calf serum (refer to SOP above)
  - 2 ml penicillin (10,000U/ml)/streptomycin (10 mg/ml) solution (Sigma #P-0781)
  - 200 ml colchicine 10 mg/ml solution (refer to SOP#-P027 for Preparation of 10 mg/ml Colchicine Solution)
3. Immediately sterilize the medium by filtration through a sterile filter with a porosity of 0.2  $\mu$ m into a sterile container such as an autoclaved medium bottle with screw cap.
4. Label the container with content information, date, and your initials.
5. Store the medium refrigerated at 0-5°C. Expiration date is approximately one month after date of preparation.

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