Media-Fill Testing

Documentation of competence is required initially and again every 12 months.

1. Clean
   Perform USP 797-mandated hand hygiene and your clinic's garbing procedures.
   Apply sterile 70% isopropyl alcohol to the horizontal work surface and allow to air dry.

2. Prepare
   If you are using sterile materials, such as those included in a commercially-sold media-fill kit, do not further dilute the media unless specified by the manufacturer.
   If your clinic mixes its own soybean-casein solution, dissolve nonsterile commercially available soybean-casein medium in nonbacteriostatic water to make a 3% nonsterile solution.

3. Transfer
   Using a sterile syringe, draw up the soybean-casein solution. Transfer the solution in the container-closure system used for serial dilution.
   Prepare at least 1 container as the positive control to demonstrate growth promotion.

4. Incubate
   Incubate the container(s) filled with test media solution in an incubator for two week-long periods to detect a broad spectrum of microorganisms:
   Week 1 (7 days): 20°- 25°C/68°-77°F
   Week 2 (7 days): 30°-35°C/86-95°F

5. Evaluate
   Look for visible turbidity (cloudiness) or other manifestations of growth in the media in one or more container-closure units on or before 14 days.
   **Pass:** No visible turbidity indicates sterile transfer & competence in the procedure.
   **Fail:** Any visible turbidity indicates failure. Personnel must re-do the procedure.

Additional details can be found in section 2.3 of USP Chapter 797.

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