

SOP-P015

Heat Inactivation of Bovine Sera

Objective: To prepare fetal or newborn calf serum for use in culture media by heating in a bath in order to kill adventitious microbes and inactivate complement

Procedure:

1. Obtain a bottle of bovine serum from the -20°C freezer located in the Hansen building, room B050.
2. Allow contents of bottle to thaw.
3. Put unopened bottle into a 37°C water bath for about 20 minutes until equilibrated. The water bath is located in the Hansen building, room B050.
4. Transfer unopened bottle to a 56°C water bath and leave there for 30 minutes. The water bath is located in the Hansen building, room B050. Be sure the water level is high enough to cover the volume in the bottle.
5. Remove unopened bottle from the bath and allow to cool for a few minutes.
6. In a sterile environment such as a laminar flow hood aseptically pipette 10 ml aliquots of serum into sterile 15 ml conical tubes. Alternatively, pipette 40 ml aliquots into sterile 50 ml conical tubes.
7. Label the tubes with content information, date, and your initials.

Created by: Gretchen Lawler

Verified by: _____ **Date:** _____
Print Name Sign Name