Procedure Title: Preparation of Goat Anti-Mouse Antibody for Use in Coating Magnetic Beads

Procedure #: HSC.B203.01

1. Reagents, Supplies, Equipment

   A. Goat affinity purified antibody (GAM) IgG

   B. Goat affinity purified antibody (GAM) IgM

   C. PBS-1X sterile and pyrogen free

   D. 2 ml sterile cryovials

   E. Nalgene filter units (150ml)

   F. 25 ml pipets

   G. Sterile pipets

   H. Graduated cylinder

2. Procedure

   A. Add 2.0 ml of 1X PBS/vial of affinity purified goat anti mouse antibody. Use equal (mg) amounts of IgG and IgM.

   B. Warm the vials in 37^0C water bath for 45 minutes.

   C. Remove vials from bath and cool slowly to room temperature. Combine the contents of all vials and rinse vials once with sterile 1x PBS.

   D. Take IgG IgM antibody solution to a volume which will give a concentration of 2.5 mg/ml (1.25 mg/ml IgG and 1.25 mg/ml IgM).

   E. If the solution is cloudy use a pre-filter before sterile filtration.

   F Using good sterile technique in a laminar flow hood, filter antibody solution

through a 0.2µ filter.

G. Pipet 1.0 ml aliquots into labelled 2 ml cryovials, and store vials in liquid nitrogen vapor until needed. The box must be labelled "NOT TESTED" or stored in a non BMT laboratory until the batch has passed sterility and pyrogen testing.

Label information:
Date
Sterile GAM# (# = Batch number)

H. Send the requisite number of vials (determined by USP guidelines) along with the necessary forms to Currie labs for sterility and pyrogen testing.

Currie Medical Specialties, Inc.
730 E. Los Angeles, Ave.
Monrovia, Ca. 91016
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I. Send a vial to CHLA Microbiology Dept. for routine sterility testing.