

## **ELICITING FOAM CELLS**

### **LIPID MAPS Procedure Protocol PP0000003000 Version 1, 7-24-06**

#### **MATERIALS AND SOLUTIONS**

2 month or older autoclaved Thioglycollate Medium (3%) (PS0000001600)  
6 week old MALE mice (B6.129S7-LDLrtm1Her/J), stock number 002207, Jackson Laboratory  
High Cholesterol Diet (#TD96121, Harlan Teklad) [www.teklad.com](http://www.teklad.com)  
Sterile Syringes, 3 ml  
Sterile Needles, 18 and 25 gauge  
Sterile pipettes  
Sterile 50 ml conical centrifuge tubes  
70% ethanol  
Tissue culture hood

#### **PROCEDURE**

1. Place mice on normal chow or high cholesterol diet for at least 10 weeks prior to eliciting foam cells with thioglycollate.
2. Spray the outside of the autoclaved Thioglycollate Medium (3%) with 70% ethanol, air dry, and place in the tissue culture hood.
3. Using a pipette, transfer total volume needed (2.5 ml per mouse) to a 50 ml conical centrifuge tube.
4. Using a 3 ml syringe with an 18 gauge needle, withdraw 2.5 ml of thioglycollate from the 50 ml conical centrifuge tube. Remove the 18 gauge needle and replace with a 25 gauge needle.
5. Repeat number 4 above for every mouse to be injected.
6. Inject 2.5 ml thioglycollate intraperitoneally.
7. Place mice in a clean cage.
8. 4 days after injecting, harvest the macrophages (Procedure Protocol ID).

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