

# **PROTOCOL FOR ELICITING THIOGLYCOLLATE DERIVED MACROPHAGES**

**LIPID MAPS Protocol ID PP0000001401**  
**Version 2, 06-07-07**

## **MATERIALS AND SOLUTIONS**

2 month or older autoclaved Thioglycollate Medium (3%) (Protocol ID PS0000001600)  
2-4 month old female mice (C57BL/6)  
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. Spray the outside of the autoclaved Thioglycollate Medium (3%) with 70% ethanol, air dry, and place in the tissue culture hood.
2. Using a pipette, transfer total volume needed (2.5 mL per mouse) to a 50 mL conical centrifuge tube.
3. Using a 3 mL syringe with an 18 gauge needle, withdraw 2.5 mL thioglycollate from the 50 mL conical centrifuge tube. Remove the 18 gauge needle and replace with a 25 gauge needle.
4. Repeat number 3 above for every mouse to be injected.
5. Inject 2.5 mL thioglycollate intraperitoneally.
6. Place mice in a clean cage.
7. 4 days after injecting, harvest the macrophages (Protocol ID PP0000001501).

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