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# HUMAN MACROPHAGE CULTURE

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## MATERIALS

- X-Vivo™ 10 Medium, serum-free with gentamicin and L-glutamine (Lonza, Cat. No. 04-380Q)
- Human AB Serum (Corning, Cat. No. 35-06-0-CI)
- Recombinant human GM-CSF (BioLegend, Cat. No. 572903)
- Polystyrene petri dishes (Fisherbrand, Cat. No. FB0875712)
- PBMCs

## PROTOCOL

1. Seed PBMCs in X-Vivo™10 medium supplemented with 5% human AB serum and human GM-CSF at 20ng/mL and incubate at 37°C and 5% CO<sub>2</sub>.
2. Twenty-four hours later aspirate media to remove non-adherent cells. Macrophages should have set down onto the plate.
3. Wash dish with warm PBS with gentle agitation 3-5 times to remove any non-adherent cells.
4. Add fresh X-Vivo™10, 5% hAB serum, 20ng/mL human GM-CSF to culture and return to incubator until further use, replenishing media as needed.