

SNPRC Immunology Core Laboratory
Elution of cytokines from GCF Strips

Materials:

Millipore Ultrafree-MC tubes with Durapore Membrane, Sterile, Purple, Pore Size: 0.65 μm
[cat.# UFC30DV0S]

PBS-T Buffer (1X PBS with 0.05% Tween 20) with Complete Mini (Roche protease inhibitor: dissolve 1 tablet in 10 ml of PBS-T): Prepare fresh; remaining solution can be stored at -20°C .

Procedure:

1. Pre-wet filter membrane with 50 μl of Luminex Assay Buffer (AB), incubate 20 minutes with shaking at 1000 rpm, room temperature.
2. Spin tubes for 5 minutes at 10,000 g.
3. Eliminate AB from tube using vacuum and sterile tip.
4. Transfer 2 GCF strips - *orange tip up*- to filter unit using sterile tweezers
5. Add 50 μl of PBS-T w/ Complete Mini.
6. Incubate for 60 minutes with shaking at 1000 rpm, 4°C .
7. Spin tubes for 5 minutes at 10,000 g, 4°C .
8. Discard filter unit and spent strips.
9. Store elution samples at -80°C .