

## UltraAmp Anti-PE Biotin - procedure for Luminex

1. Perform the standard assay as directed by the kit product insert. The beads should be bound with streptavidin-phycoerythrin (SA-PE).
2. Wash beads 3X with the kit-recommended wash buffer using a standard filter plate on a vacuum manifold.
3. For each well, dilute the UltraAmp reagent:
  - 90uL Binding Buffer I (Genisphere product ABB100)
  - 10uL UltraAmp Anti-PE Biotin
4. Add 100uL of diluted UltraAmp (from step 3) to each well. Incubate for 30-60 minutes with constant gentle agitation on an orbital shaker at 300RPM at 37°C.
5. Wash the beads 4X with room temperature 1X PBS with 0.02% Tween.
6. Add another aliquot of SA-PE as was used in the standard Luminex assay. Alternatively, add SA-PE from Prozyme diluted to 1-2ng/uL in 1X PBS with 0.02% Tween. Incubate for 10-15 minutes at 37°C.
7. Wash the beads 4X with room temperature 1X PBS with 0.02% Tween.
8. Add 100-125uL of 1X PBS with 0.02% Tween to each well. Vortex.
9. Acquire data on the BioPlex instrument.

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