

# IL-8 Validations

- Validation includes:
- % detectability data for Supplier B's Human CVD3 and Cytokine multiplex panels
- Reproducibility data for human Cytokine multiplex panel

# Suppliers

- A: Bio-Rad
- B: Linco (done)
- C: Upstate
- D: Biosource
- E: RnD Systems

# IL-8 - % Detectability

- Using supplier B's Cytokine multiplex panel as a 21-plex, % detectability of IL-8 in serum and plasma from healthy donors:
- Citrated plasma (n=16): 87.5%
- Serum (n=20): 65%
- (Note that for each sample type a different set of donors were used.)

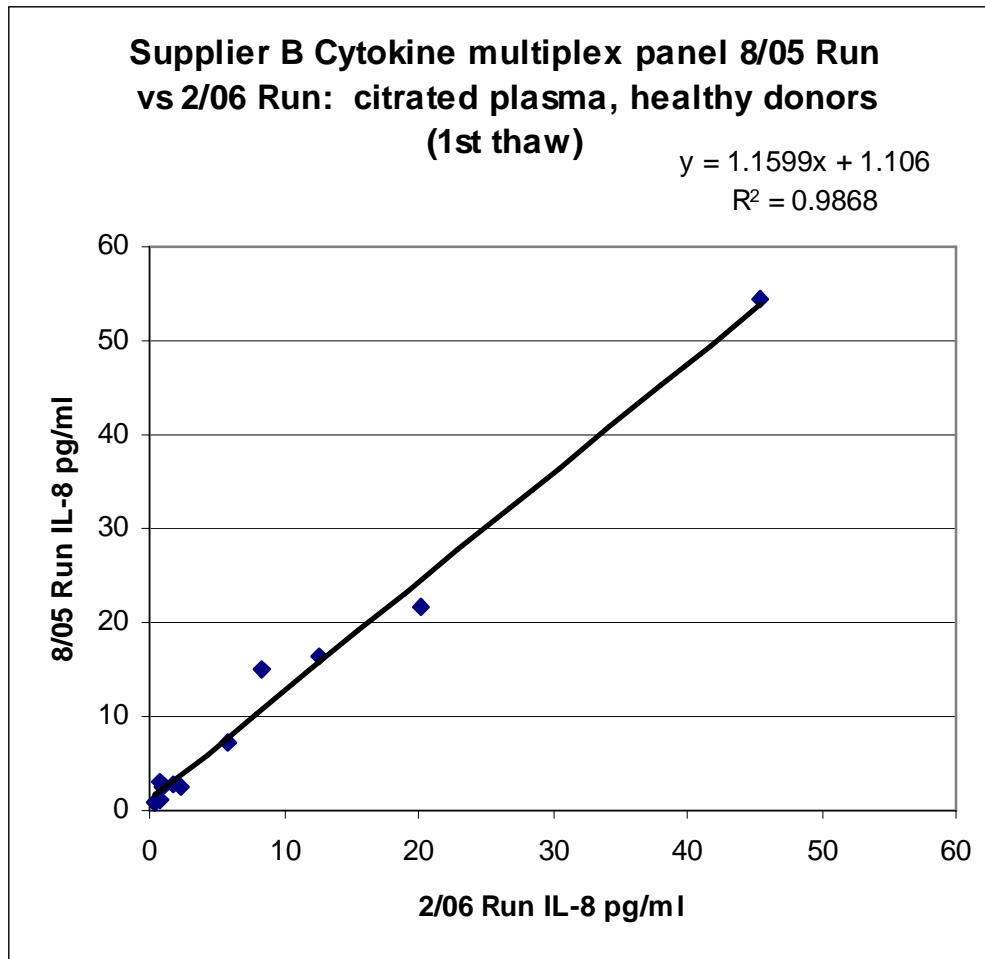
# IL-8 - % Detectability

- Using supplier B's Human CVD3 panel, % detectability of IL-8 in serum and plasma from healthy donors:
  - EDTA plasma (n=10) 30%
  - Citrated plasma (n=10) 20%
  - Serum (n=10) 10%
- (Note that for each sample type a different set of donors were used.)

# Supplier B

Human Cytokine multiplex panel

## Reproducibility



**IL-8 levels for citrated plasma samples from healthy donors assayed with Supplier B's Cytokine multiplex panel, assayed 8/05 as a 21-plex, agreed well with levels for the same sample set, assayed 2/06 as a 7-plex.**

**$R^2 = 0.987$**