

## Cytokine Reference Laboratory Testing

# Available Assays

\* Assays listed on the hospital computer

For all other assays – please note the assay name and that it should be ordered as Cytokine Miscellaneous – CYMSC1

| Assay Name      | Complete Name                                     | Tube Type      |
|-----------------|---------------------------------------------------|----------------|
| IL-1 $\alpha$ * | Interleukin 1 $\alpha$                            | 5 mL red top   |
| IL-1 $\beta$ *  | Interleukin 1 $\beta$                             | 5 mL red top   |
| IL-1sRII        | IL-1 Soluble Receptor II                          | 5 mL red top   |
| IL-1ra          | Interleukin 1 Receptor Antagonist                 | 5 mL red top   |
| IL-2sR $\alpha$ | Interleukin 2 Soluble Receptor $\alpha$           | 5 mL red top   |
| IL-3 *          | Interleukin 3                                     | 5 mL red top   |
| IL-4 *          | Interleukin 4                                     | 5 mL red top   |
| IL-5            | Interleukin 5                                     | 5 mL red top   |
| IL-6 *          | Interleukin 6                                     | 5 mL red top   |
| IL-7            | Interleukin 7 (allow to clot in fridge overnight) | 5 mL red top   |
| IL-8            | Interleukin 8                                     | 5 mL red top   |
| IL-10           | Interleukin 10                                    | 5 mL red top   |
| IL-11           | Interleukin 11                                    | 5 mL red top   |
| IL-12 (p70)     | Interleukin 12 p70                                | 5 mL red top   |
| IL-12p40        | Interleukin 12 p40                                | 5 mL red top   |
| IL-13           | Interleukin 13                                    | 5 mL red top   |
| IL-15           | Interleukin 15                                    | 5 mL red top   |
| IL-16           | Interleukin 16                                    | 5 mL red top   |
| IL-17           | Interleukin 17                                    | 5 mL red top   |
| IL-18           | Interleukin 18                                    | 5 mL red top   |
| sFAS/TNFRSF6    | FAS                                               | 5 mL red top   |
| FGF basic       | Fibroblast Growth Factor Basic                    | 5 mL red top   |
| Flt-3 Ligand    | Flt-3 Ligand                                      | 5 mL red top   |
| G-CSF *         | Granulocyte Colony Stimulating Factor             | 5 mL red top   |
| GM-CSF *        | Granulocyte Macrophage Colony Stimulating Factor  | 5 mL red top   |
| IFN- $\alpha$   | Interferon $\alpha$                               | 5 mL red top   |
| IFN- $\beta$    | Interferon $\beta$                                | 5 mL red top   |
| IFN- $\gamma$ * | Interferon $\gamma$ (gamma)                       | 5 mL red top   |
| MCP-1           | Monocyte Chemotactic Protein-1                    | 5 mL red top   |
| M-CSF           | Macrophage Colony Stimulating Factor              | 5 mL red top   |
| MIP-1a          | Macrophage Inflammatory Protein-1 $\alpha$        | 5 mL red top   |
| sP-Selectin     | Soluble P-selectin                                | 5 mL red top   |
| SCF             | Stem Cell Factor                                  | 5 mL red top   |
| TGF- $\beta$ 1  | Transforming Growth Factor $\beta$ 1              | 5 mL red top   |
| TGF- $\beta$ 2  | Transforming Growth Factor $\beta$ 2              | 5 mL red top   |
| TIMP-1          | Tissue Inhibitor of Metalloproteinases-1          | 5 mL red top   |
| TNF- $\alpha$ * | Tumor Necrosis Factor $\alpha$                    | 5 mL green top |
| sTNF-RI *       | Soluble Tumor Necrosis Factor-RI                  | 5 mL green top |
| sTNF-RII *      | Soluble Tumor Necrosis Factor-RII                 | 5 mL green top |
| Tpo             | Thrombopoietin                                    | 5 mL red top   |
| VEGF            | Vascular Endothelial Growth Factor                | 5 mL red top   |

\*\*SERUM IS PREFERRED for all assays except TNF- $\alpha$ , TNF-RI, and TNF-RII; for those prefer Sodium Heparin Plasma (green top) is preferred.

Serum samples should be allowed to clot for 30 minutes then spun down and aliquoted into 0.5 mL aliquots and frozen at -70 degrees C or placed in dry ice within 2 hours.

Heparin plasma samples should be spun down and aliquoted into 0.5 mL aliquots and frozen at -70 degrees C or placed on dry ice within 2 hours.

If multiple tests are requested, it is not always necessary to draw as much volume. We request at least two 0.5 mL aliquots for each test in case the test needs to be repeated. If you can get this from fewer tubes, that's fine.

# **Please note:** These are not the only tests that we can perform. If there is an assay that you are interested in, but do not see listed, please contact Cytokine Reference Lab (612-626-7057) and we will attempt to find it for you.

If you have any questions, please call the Cytokine Reference Laboratory at 612-626-7057 and someone will return your call as soon as possible.