

MILLIPLEX(R) Human Cytokine/Chemokine Magnetic Bead Panel - Immunology Multiplex Assay Simultaneously analyze multiple cytokine and chemokine biomarkers with Bead-Based Multiplex Assays using the Luminex technology, in human serum, plasma and cell culture samples.

Art. ID SAF-HCYTOMAG-60K-01

Unit EA

Description

Cytokine is a general term used for a diverse group of soluble proteins and peptides which act as regulators under both normal and pathological conditions to modulate the functional activities of individual cells and tissues. These proteins also mediate direct interactions between cells and regulate processes taking place in the extracellular environment. Cytokines differ from hormones in that they act on a wider spectrum of target cells. Also, unlike hormones, they are not produced by specialized cells which are organized in specialized glands. The cytokine group of proteins includes lymphokines, interferons, colony stimulating factors and chemokines. Cytokine and chemokine research plays a significant role in achieving a deeper understanding of the immune system and its multi-faceted response to most antigens, as well as disease states such as inflammatory disease, allergic reactions, irritable bowel disease (IBD), sepsis, and cancer. The MILLIPLEX(R) Human Cytokine / Chemokine Panel 1 enables you to focus on the therapeutic potential of cytokines as well as the modulation of cytokine expression. The Luminex(R) xMAP(R) platform uses a magnetic bead immunoassay format for ideal speed and sensitivity to quantitate multiple analytes simultaneously, dramatically improving productivity while conserving valuable sample volume. Panel Type: Cytokines/Chemokines