

MILLIPLEX(R) Human Circulating Cancer Biomarker Magnetic Bead Panel - Cancer Multiplex Assay Circulating Cancer Biomarker Bead-Based Multiplex Assays using the Luminex technology enables the simultaneous analysis of multiple oncology biomarkers in various tumor types in human serum, plasma and cell culture samples.

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Unit EA

Description

Circulating cancer biomarkers give insight beyond intracellular oncogenesis and into how the body responds to the presence of a tumor, the dysregulation of homeostasis, and the relationship between a tumor and its environment. Multianalyte panels have become essential tools that enable researchers to measure cancer biomarkers simultaneously, teasing out these relationships and applying them to understand tumor biology. MILLIPLEX(R) Circulating Cancer Biomarker Panel 1 is a 25-plex kit that can be used for the simultaneous quantification of any or all of the following analytes in serum, plasma and tissue/cell lysate and culture supernatant samples: AFP, CA125, CA15-3, CA19-9, CEA, CYFRA21-1, sFas, sFasL, FGF2, beta-HCG, HE4, HGF, IL-6, IL-8, Leptin, MIF, Osteopontin, Prolactin, PSA (free), PSA (total), SCF, TGFalpha, TNFalpha, TRAIL and VEGF. Note that certain biomarkers are tumor specific, such as PSA, while others, such as IL-8, have been detected in many cancers. PSA (free) and PSA (total) cannot be plexed together. This kit uses a 96-well format, contains a lyophilized standard cocktail, two internal assay quality controls and can measure up to 38 samples in duplicate. 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: Circulating Cancer