DATENBLATT

Free PSA IRMA

Catalog #: RVRK-85CT

The technology uses two high affinity monoclonal antibodies in an immunoradiometric assay (IRMA) system. The 125I labelled signal-antibody binds to an epitope of the fPSA molecule spatially different from that recognized by the biotincapture- antibody. The two antibodies react simultaneously with the antigen present in standards or samples, which leads to the formation of a capture antibody - antigen - signal antibody complex, also referred to as a “sandwich”. During a 2-hour incubation period with shaking immuno-complex is immobilized to the reactive surface of streptavidin coated test tubes. Reaction mixture is then discarded, test tubes washed exhaustively, and the radioactivity is measured in a gamma counter. The concentration of antigen is directly proportional to the radioactivity measured in test tubes. By constructing a calibration curve plotting binding values against a series of calibrators containing known amount of fPSA, the unknown concentration of fPSA in patient samples can determined.

Format	IRMA
Label	I125
Size	100 tests
Sample Type	Serum
Sample Volume	100 µL
Controls	1 level
Range	0,1-100 ng/mL
Sensitivity	0,047 ng/mL
Incubation	2 h RT with shaking
Shelf Life (weeks)	8
Normal Values	<0,7 ng/mL

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