

Plasminogen Activator Inhibitor-1 (PAI-1)/Serpine E1

Method:	Enzyme-linked immunosorbent assay (ELISA)
Kit Manufacturer:	R & D Systems, Minneapolis, MN
Description:	This assay employs the quantitative sandwich enzyme immunoassay technique. A monoclonal antibody specific for Serpin E1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Serpin E1 present is bound by the immobilized antibody. After washing away any unbound substances, an enzyme-linked polyclonal antibody specific for Serpin E1 is added to the wells. Following a wash to remove any unbound antibody-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Serpin E1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Collection and Performance Characteristics

Tube type:	Preferred: EDTA Alternate: Heparin or Citrate
Minimum Volume:	0.5 mL
Lowest Reportable Value:	0.312 ng/mL
Dynamic Range:	0.312 - 20 ng/mL
Precision:	The intra-assay variation is 5.8-7.4% The inter-assay variation is 5.6-7.2%
Reference Range:	0.99 - 16.9 ng/mL