(A) A serum sample (S) is split.

(B) Magnetic beads treatment to remove endogenous TIMP-1

(C) Supernatant is transferred.

(D) Both TIMP-1 UEA LISA assay and TIMP-1 immunoassay are performed on each aliquot.

(E) A dose-response curve is constructed using the measured TIMP-1 concentration (ng/mL) in each aliquot by the TIMP-1 immunoassay along with the corresponding fluorescence readout by the TIMP-1 UEA LISA assay.