

Title (en)
METHOD FOR MEASURING THE CONCENTRATION OF ACTIVATED FACTOR VII (FVIIA) IN A SAMPLE

Title (de)
VERFAHREN ZUR MESSUNG DER KONZENTRATION DES AKTIVIERTEN FAKTORS VII (FVIIA) IN EINER PROBE

Title (fr)
PROCÉDÉ DE MESURE DE LA CONCENTRATION DE FACTEUR VII ACTIVÉ (FVIIA) DANS UN ÉCHANTILLON

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Application
EP 07872461 A 20071228

Priority
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• FR 0611535 A 20061229

Abstract (en)
[origin: FR2910969A1] In vitro or ex-vivo measurement of factor VIIa (FVIIa) concentration in a sample, comprises: mixing the sample with a human plasma devoid of FVII and other factor e.g. FVIII; adding initiating components of a thrombin generating reaction (TGT) comprising e.g. calcium ions source; conducting TGT on the obtained reaction medium to obtain a thrombinogram; comparing one of the thrombinogram parameters with a homologous parameter of standard thrombinogram; and deducing the comparing step. In vitro or ex-vivo measurement of factor VIIa (FVIIa) concentration in a sample, comprises: mixing the sample with a human plasma devoid of FVII and other factor comprising FVIII, FIX and FXI; adding initiating components of a thrombin generating reaction (TGT) comprising a source of calcium ions, phospholipidic agent and tissue factor; conducting the TGT on the obtained reaction medium to obtain a thrombinogram providing parameters; comparing one of the parameters of the thrombinogram with a homologous parameter of standard thrombinogram, where each standard thrombinogram is obtained with a fixed standard concentration of FVIIa in the reaction medium, in a range of 1 pM-1 nM; and deducing the comparing step, where the measurement of FVIIa concentration of the sample comprises in that range. An independent claim is included for a kit useful for implementing the process comprising a freeze-dried plasma devoid of FVII and other factor comprising FVIII, FIX and FXI, a lyophilizate containing a phospholipidic agent, tissue factor and calcium ions source, and a sample of freeze-dried FVIIa of known concentration for determining a standard thrombinogram parameter.

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