

**MOLECULAR INTERACTIONS, BIOMARKERS AND DELIVERY SERVICE -  
FUNCTIONAL STUDIES ON BLOOD COAGULATION**

<i>Code no.</i>	<i>Brief description of the services we offer</i>	<i>Price (€ per hour)</i>
	<p>Preliminary consultation on the experimental design and/or sample preparation; during the consultation a quote can be prepared on the overall cost of the analyses required.</p> <p>The Service offers consultations for specific projects, and quotes are provided free of charge according to the needs of the user.</p> <p>Please contact us for individual requirements not shown in the price list, since the packages offered can be tailored to requirements outside the standard service.</p> <p>For routine analysis prices can be agreed (subscription may be possible).</p>	0.00
IM-SC-01	<p><b>Functional assays with fluorogenic substrates on plasma samples</b></p> <p>Functional assays on patients' plasma samples are performed by monitoring fluorescence emission as a function of time after addition of fluorogenic substrates specific for the activated factor X or thrombin. Reference samples and controls within the assays are represented by pooled normal plasma and/or commercially-available deficient plasma.</p> <p>The minimal volume of plasma requested for a single reaction is 10 <math>\mu</math>l. Replicates need additional volume(s). Plasma samples must not be thawed and have to be shipped on dry ice.</p> <p>This Service supplies with software-based analysis (GraphPad Prism) of the main parameters underlying the activity or coagulant capacity of the plasma samples tested.</p>	Please ask for a quote
IM-SC-02	<p><b>Quantitative analysis of coagulation factors by ELISA</b></p> <p>For specific coagulation factors, the quantitative analysis is available, through immunoenzymatic assays. Dilutions of pooled normal plasma or known concentrations of purified proteins are used as reference.</p> <p>The minimal volume of plasma requested for a single reaction is 10 <math>\mu</math>l. Replicates need additional volume(s). Plasma samples must not be thawed and have to be shipped on dry ice.</p> <p>This Service supplies with software-based quantitative analysis (GraphPad Prism) of protein concentrations in samples.</p>	Please ask for a quote
IM-SC-03	<p><b>Binding studies</b></p> <p>Evaluation of the interaction of coated or soluble coagulation factors with other molecules or complexes is available by binding studies on 96-well microplates.</p> <p>Known concentrations of purified proteins are used as reference. Samples must not be thawed and have to be shipped on dry ice.</p> <p>This Service supplies with software-based analysis (GraphPad Prism) of the binding constants describing the binding capacity of the tested molecules.</p> <p>This Service supplies with software-based analysis (GraphPad Prism) of the binding constants describing the binding capacity of the tested molecules.</p>	Please ask for a quote

IM-BD-01	<p><b>Mono or bi-dimensional electrophoresis</b></p> <p>Polyacrylamide mono- or bi-dimensional gel electrophoresis in denaturing and/or reducing conditions for the separation of protein samples. Complex mixtures such as plasma, biological fluids, cellular extracts or supernatants, or purified proteins can be qualitatively or semi-quantitatively analyzed.</p> <p>The Service is implemented by other related techniques:</p> <p>Staining: gel(s) can be stained with traditional staining methods (silver or Coomassie blue staining) or fluorescent dyes. Band densitometry is also available.</p> <p>Blotting: gel(s) can be transferred to nitrocellulose membranes, and then returned to the customer.</p> <p>Western blotting: for known proteins, expression analysis is available by exploiting the western blotting technique.</p>	Please ask for a quote
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Some of the services/products offered may be provided with the help of other services of the LTTA Laboratory. Each service includes a description of the procedure and supply of images for scientific publication purposes. Prices are shown without VAT and are subjected to change according to the cost of consumables necessary (every 12 months).