

# DID YOU KNOW?

## Prolytix offers Coagulation and Hematology Analytical Assays



### Evaluation of Hemostatic Risk

- Evaluating drug candidates for hemostasis or off-target coagulation effects is crucial. Alongside TGA, we employ additional methods to assess a candidate's potential impact on the coagulation system.
- › Thromboelastography (TEG) Assay
- › Whole blood clotting and factor Assay
- › Traditional PT and aPTT Assays
- › Platelet Aggregation and Activation Assays

### Hemophilia

- Analytical assays are vital for diagnosing hemophilia, monitoring treatment, and evaluating therapies, focusing on deficiencies in factor VIII (Hemophilia A) or factor IX (Hemophilia B).
- › TEG and TGA Assays
- › Factor VIII and IX Assays
- › Chromogenic anti-factor Assays
- › Traditional PT, dTT, and aPTT Assays
- › D-Dimer and Fibrinogen

### von Willebrand Disease

- von Willebrand factor (vWF) assays are crucial for diagnosing von Willebrand disease (vWD), identifying subtypes, and monitoring therapy, as vWF supports platelet adhesion and stabilizes factor VIII.
- › vWF Antigen and vWF Activity Assay
- › Factor VIII Activity and FVII Antigen
- › vWF Multimer, Propeptide and GP1b
- › Platelet Aggregation

### DOACs:

### Heparin Anti-Coagulation

- DOACs require specialized assays to ensure safety, efficacy, and monitoring by measuring drug levels, effects, and interactions.
- › TEG
- › Chromogenic Anti-Factor Assays
- › Anti-Xa Assays / Heparin
- › Traditional PT, dTT, and aPTT Assays

Learn More: [info@goproltyix.com](mailto:info@goproltyix.com)



# Customized Assay Solutions Precisely Tailored to Advance YOUR Program's Success



## Thromboelastography (TEG) Assay

### › Proprietary Controls for Haemonetics Instruments:

Our expert team developed custom controls specifically for use on Haemonetics instruments, ensuring optimal performance and accuracy. Our custom collection devices and reagents are utilized by CAP for Platelet Mapping on the TEG Instrument

### › Custom Collection Devices & Reagents:

Widely utilized by CAP for Platelet Mapping on the TEG instrument, our proprietary devices and reagents are trusted in advanced hemostasis research.

### › Innovative Method Development:

Prolytix routinely develops and validates novel testing methods using these instruments, including those not commercially available, to meet unique client needs.

### › Comprehensive Assay Support:

Prolytix currently supports the following assays:

Kaolin	RapidTEG™
Functional Fibrinogen	Platelet Mapping

## Thrombin Generation (TGA) Assay

### › Prolytix is an expert at developing, modifying, validating, and running the TGA in Human, Cyno, Procine, Murine, Canine

### › First to use the TGA to release an IVIG drug

### › Widely recognized in the biopharma community for its expertise in this area.

### › Prolytix is one of the few companies that can modify the TGA specific to a drug product (not just a generic test).

### › Prolytix has been asked to perform TGA testing on a variety of drug products and even stents.

### › This deep expertise enables Prolytix to effectively identify off-target coagulation effects.

## Platelet Aggregation Assays

### › Streamlined Onsite Blood Collection Solutions :

Our in-house phlebotomy capabilities ensure seamless and efficient whole blood collection for precise assay results

### › Light Transmission Aggregometry (LTA):

Using platelet-rich plasma our team measures the light transmission over time to quantify platelet aggregation

### › Impedance Aggregometry:

Uses whole blood to measure electrical impedance as platelets aggregate on the electrode surfaces

### › Extensively utilized therapeutic drug approaches:

We have expertise in testing a wide range of therapeutic modalities, including Antibody-Drug Conjugates (ADCs), Monoclonal Antibodies, and Small Molecule Inhibitors

Learn More: [info@goprolytix.com](mailto:info@goprolytix.com)

