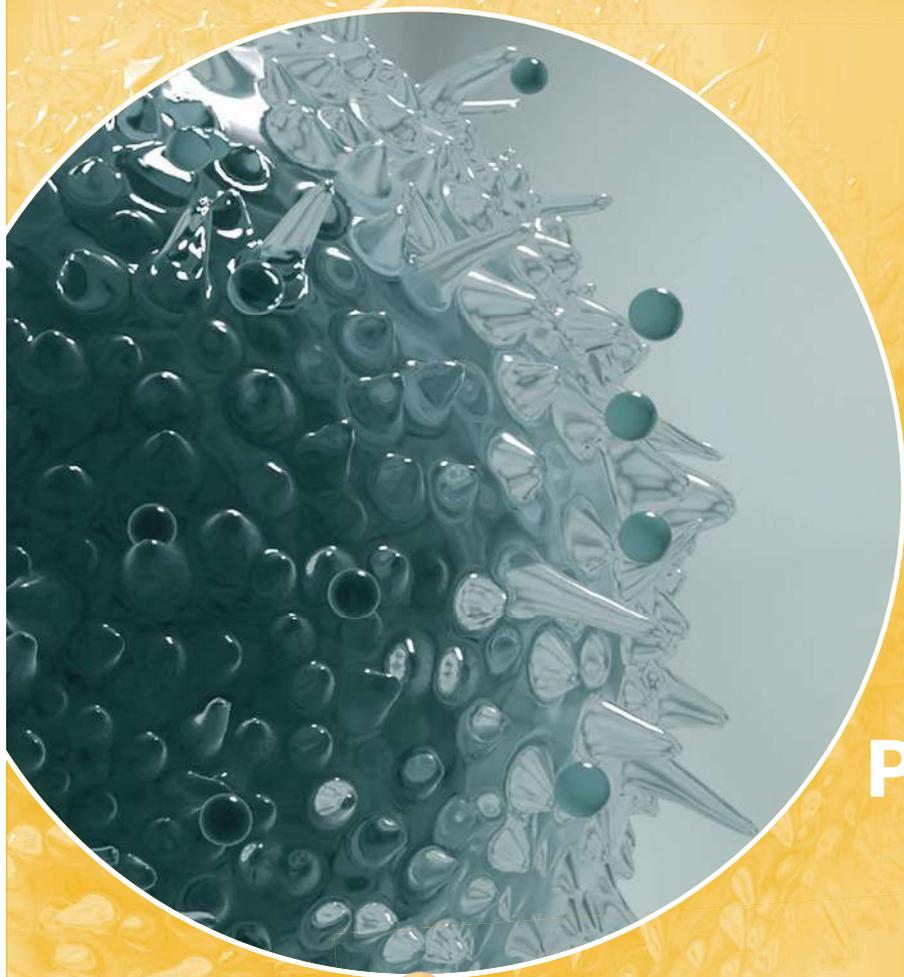


# CY-QUANT MV-TF Activity\*



**STATE OF  
THE ART**

**TISSUE FACTOR  
PROCOAGULANT  
ACTIVITY  
MEASUREMENT**

High-sensitivity and high-specificity assay  
for measurement of Tissue Factor activity  
fitting with international guidelines

  
**Stago**

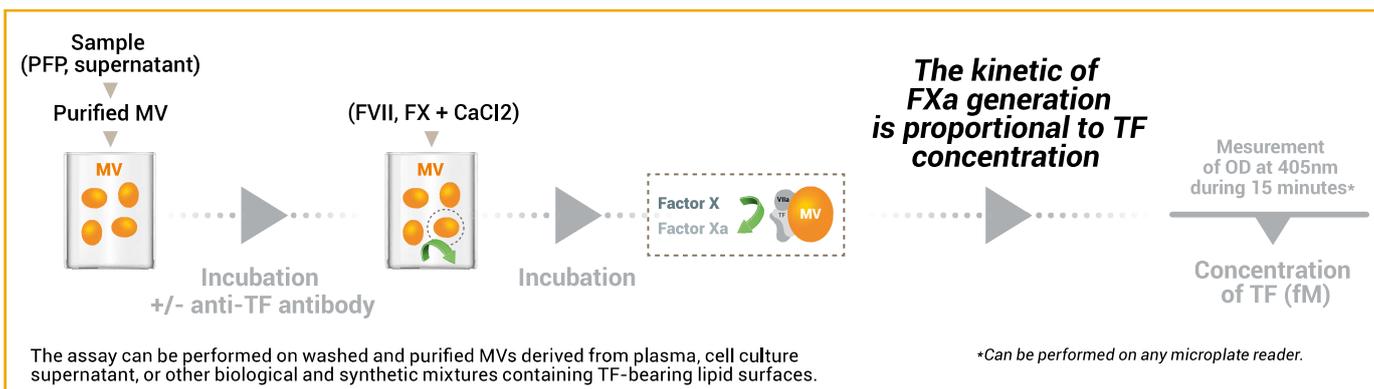
# CY-QUANT MV-TF Activity

## EVALUATION OF MICROVESICLE-ASSOCIATED TF-DEPENDENT PROCOAGULANT ACTIVITY (Cat. Nr. 01514)

Different subtypes of Microvesicles (MVs), such as endothelial, leukocyte or tumor-derived MVs, can **trigger coagulation** by exposing TF<sup>(1)</sup>. **Elevated plasma levels of MV TF activity** have been observed in patients in different pathological conditions<sup>(2,3,4)</sup>.

CY-QUANT MV-TF has a **high-sensitivity** and **high-specificity** for measurement of TF-dependent FXa generation on MVs.

### Test principle



## A STANDARDIZED ASSAY COMPLIANT WITH INTERNATIONAL GUIDELINES<sup>(5)</sup> :

**Kinetics determination of MV-TF dependent factor Xa generation**



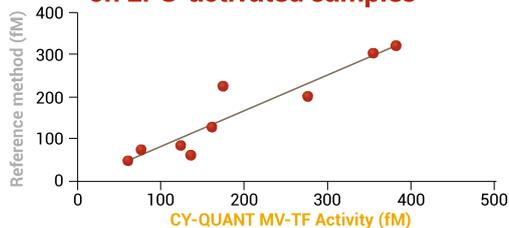
**Anti-TF antibody to inhibit TF coagulant activity and to ensure the assay specificity**



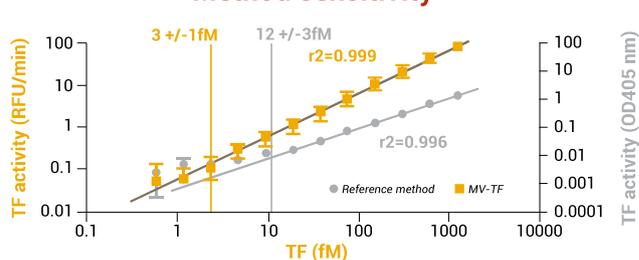
**TF calibrator to standardize procoagulant activity measurement**



### Correlation with reference method on LPS-activated samples<sup>(6)</sup>



### Method sensitivity<sup>(6)</sup>



Higher sensitivity for CY-QUANT MV-TF Activity assay with a very low limit of detection (3 +/- 1 fM)

### BIBLIOGRAPHY

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