

# AR CHIP FOR T-TAS<sup>®</sup> 01

For the measurement of overall hemostatic function in whole blood



## AR CHIP FOR T-TAS 01

An *in vitro* measurement of white thrombus formation (i.e. fibrin-rich platelet thrombus)

- Uses citrated whole blood at shear rates representing large arteries ( $600 \text{ s}^{-1}$ )
- Contains a microcapillary channel coated with collagen and tissue thromboplastin
- Sample is re-calcified and corn trypsin inhibitor is added immediately prior to the assay, restoring physiological calcium levels and making the test specific for the extrinsic coagulation pathway
- Measures the combined effect of anticoagulants and antiplatelet agents on overall hemostatic function
- Generates results within 60 minutes of sample collection (assay duration  $\leq 30$  minutes)



## CLINICAL AND THERAPEUTIC RESEARCH AREAS

Direct oral anticoagulant (DOAC) monitoring

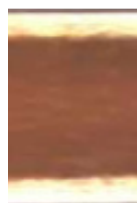
Assessment of bleeding risk

Coagulation factor therapy

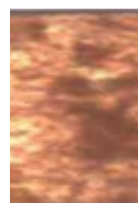
Thrombolysis/fibrinolysis

## MEASUREMENT OF WHITE THROMBUS FORMATION

GP IIb/IIIa Inhibitor  
1  $\mu\text{g}/\text{mL}$



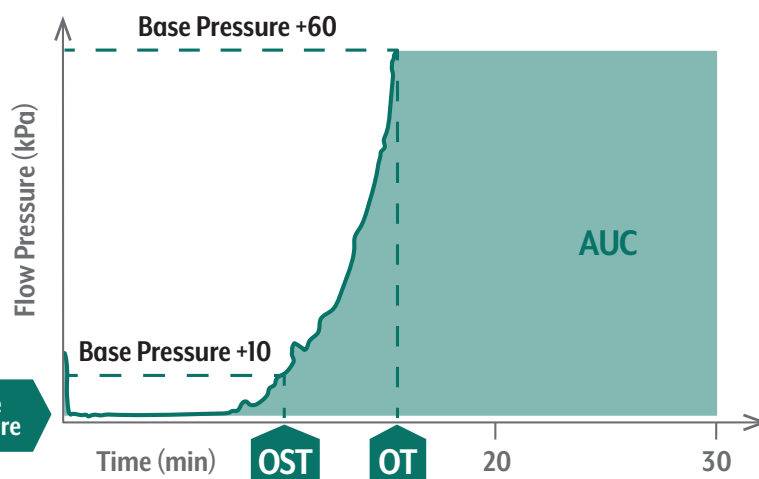
Control



Visualization of thrombus formation inside microcapillary channel



Measurements performed using the T-TAS 01 Instrument



**PRIMARY RESULT:**

**OT**, occlusion time, flow ceases

**AVAILABLE FROM RAW DATA:**

**OST**, occlusion start time, clotting begins, pressure reaches 10 kPa above baseline

**AUC**, area under the pressure-time curve

## ORDERING INFORMATION

ITEM	CATALOG NUMBER
T-TAS 01 Total Thrombus formation Analysis System Instrument	18001
AR Chip for T-TAS 01, 20 Chips	19001
AR Chip & HD Chip Reservoir set for T-TAS 01, 100 Sets	19003
CaCTI Reagent for T-TAS 01, 20 Assays	19004

FOR ADDITIONAL INFORMATION AND TO VIEW PRODUCT VIDEOS, PLEASE VISIT [DIAPHARMA.COM](http://DIAPHARMA.COM)

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ZACROS

T-TAS<sup>®</sup>  
Total Thrombus-formation Analysis System

diapharma<sup>®</sup>

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