



MultiClot®

The next generation of whole-blood coagulation diagnostics

“Fast, flexible and insightful viscoelastometry with six independent channels, engineered for clinical and research environments that demand streamlined workflows, data quality and cost efficiency.”

About MultiClot

MultiClot represents the next generation of viscoelastic coagulation analysis. Featuring six independent measuring channels, digital workflow, and robust mechanical precision, MultiClot enables rapid, reproducible assessments of coagulation

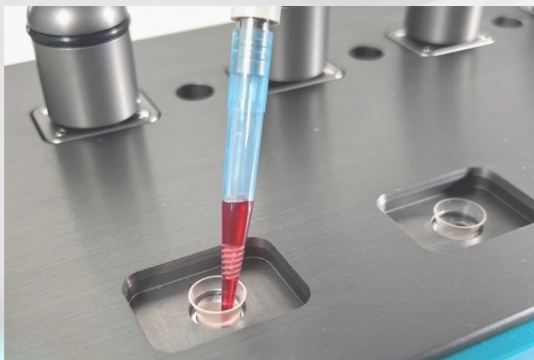
activation, clot formation and clot stability or fibrinolysis.

Engineered for laboratories that demand speed, flexibility, and high data quality.



Key features

- Six channels for simultaneous testing of different samples or different tests
- Rapid output of early coagulation indicators in real-time
- Advanced mechanics and electronics for high sensitivity and precision
- Modern touchscreen interface with integrated workflow tools
- Standardised test performance across the assay portfolio
- Open system design suitable for clinical and research applications



Reagent Tip Technology – standardisation made simple





Using Apero's Reagent Tip Technology the reagents are integrated into the pipette tip and are automatically mixed with whole blood when the sample is pipetted.





Your advantages

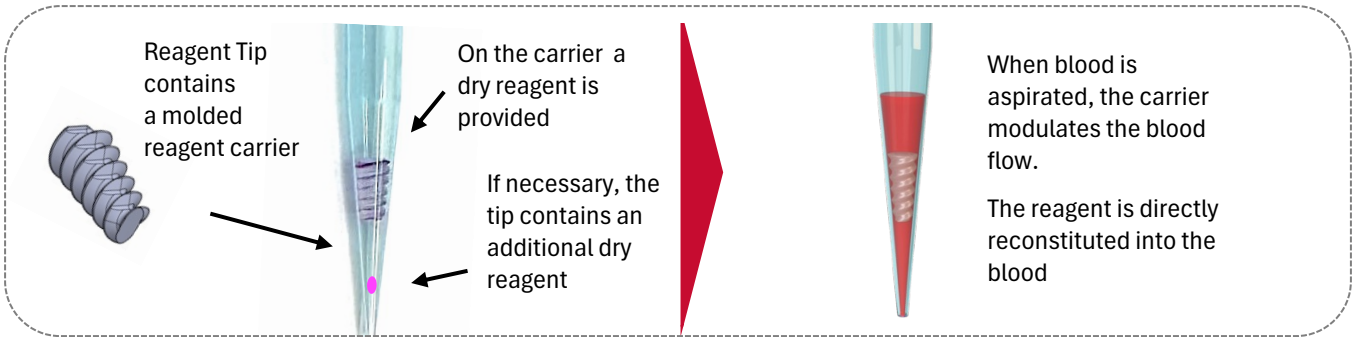
- No manual reagent handling
- Ready-to-use dry chemistry
- Easy to use and standardised
- Identical procedure for all assays

Assays

MultiClot provides a comprehensive range of assays.

Name	Description	Product
EX	Rapid overview of coagulation activation. Tissue factor + polybrene: assessment of coagulation activation, clot formation and fibrinolysis	
FIB	Functional assessment of the fibrinogen level Tissue factor + platelet inhibition (cytochalasin D + eptifibatide)	
IN	Intrinsic activation with ellagic acid for the detection of heparin	
HI	Intrinsic pathway with heparin neutralisation. ellagic acid + heparin inactivation by heparinase: used in combination with the IN assay	

Name	Description	Product
AP	EX + fibrinolysis inhibition (TXA) Assessment of clot formation under conditions of fibrinolysis inhibition	
TPA	EX + fibrinolysis activation by TPA: detection of tranexamic acid (TXA)	
RVV	High sensitivity assay for the detection of FXa antagonists. Russel viper venom (FX activator)	
ECA	High sensitivity assay for the detection of dabigatran. Ecarin (prothrombin activator)	

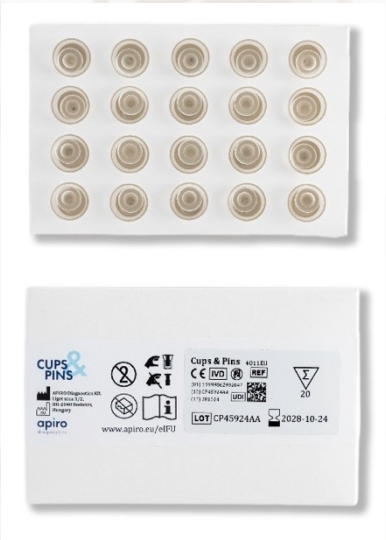


Consumables

MultiClot provides a comprehensive range of consumables and quality controls.

Cups & Pins Precision-engineered disposable components for reliable viscoelastic measurements.

Tray (20 pcs)
Containing 20x Cup&Pin test cells.



Single Cup&Pin
Durable design with surface treatment for excellent hemocompatibility and consistent torque transfer.



Box Packaging (6 x 20 pcs)
Secure storage for transport and long-term stability. Easy-to-use multi-drawer system for throughput workflows.

QC QC 1 – 6 vials à 1.05 mL plasma control using blood plasma from healthy individuals.

QC 2 – 6 vials à 1.05 mL plasma control using blood plasma from healthy individuals with the addition of an anticoagulant



Clinical applications

MultiClot allows for the rapid assessment of blood coagulation using viscoelastometry.

The benefits of viscoelastic coagulation monitoring have been described in many fields of surgery and intensive care and are supported by international guidelines.

CT 166s
A5 32mm

CT 165s
A5 31mm

The MultiClot assays help detect

- Factor deficiencies
- Low fibrinogen
- Impaired clot formation or clot stability
- Anticoagulant effects like heparin and DOACs

Research applications

MultiClot enables comprehensive whole-blood coagulation research, including:

- Open system suitable for animal models
- Allows monitoring of anticoagulant and procoagulant drug development

Data, workflow & software

MultiClot's integrated software provides real-time visualisation of up to six curves and parameters, automatic data storage, and structured result documentation.

Your benefits

- Real-time visualisation of all six channels
- Automatic data storage and documentation
- Export functions for statistical evaluation (XML, PDF, PNG, CSV)
- Documentation of user interactions (audit trail)
- Remote viewing of results
- LIS connectivity
- User management

Product References

Catalog number	Product information	Pack size
Instrument and accessories		
3011EU	MultiClot analyzer (including user interface software, mini-PC, barcode scanner, e-pipette, pipette holder, mouse, keyboard, touchscreen 21“)	1 unit
Disposables		
4011EU	Cups & Pins	6 × 20 pcs in box
1081EU	EX	10 × 1 tip in bag
1061EU	FIB	10 × 1 tip in bag
1051EU	AP	10 × 1 tip in bag
1031EU	IN	10 × 1 tip in bag
1041EU	HI	10 × 1 tip in bag
1021EU	TPA	10 × 1 tip in bag
1071EU	RVV	10 × 1 tip in bag
1011EU	ECA	10 × 1 tip in bag
2011EU	QC1	6 vials in bag
2021EU	QC2	6 vials in bag

Specifications

- Test Channels: 6
- Tests: EX, IN, FIB, AP, HI, TPA, RVV, ECA
- Sample volume: 340 µl citrated blood (3,2%) per test
- Time to result:
CT within seconds or few minutes, clot firmness parameters (A5, A10) within 6–15 minutes, longer in abnormal samples; standard run time 50 min including lysis parameter results

About Apiro Diagnostics

APIRO Diagnostics, headquartered in Budaörs, Hungary, develops innovative solutions for modern viscoelastometry. Our mission is to create flexible, precise tools that advance coagulation research and empower laboratories worldwide.

Certified under EN ISO 13485:2016, APIRO is committed to consistent quality, reliability, and long-term partnership with users, suppliers, and distribution partners.

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