DOAC Filter



Specific filtration of DOAC in plasma

Easy to use No residue in eluted plasma Reliable results



DOAC (Direct Oral Anticoagulant) are removed from citrated plasma thanks to a filtration technique on chemical phase.

- Rivaroxaban
- Edoxaban

Apixaban

- Dabigatran
- ✓ Retention of DOAC up to 300 ng/mL
- ✓ Residual concentration : see table below
- ✓ No residue in eluted plasma
- ✓ Easy to use
- ✓ Reliable results









Citrated plasma transfer

600 µL
citrated plasma

Filtration
cartridge

Connector
STA-Microtainer

1 Citrated plasma transfer

 $600~\mu\text{L}$ of citrated plasma is dispensed on the top of the chemical phase.

2 Centrifugation

Centrifugation of the filter at 300 g right after to allow plasma to pass through the cartridge.

3 Collect of STA Microtainer

Filtered plasma is collected and the analysis can be undertaken. Sample stable for 2 h between 18 and 25 °C.

Residual concentrations of DOAC and plasmas volume following filtration

Results obtained after filtration of 600 µL of a normal plasma spiked with 300 ng/mL of each DOAC :

		Average residual DOAC concentration on eluted plasma, assessed with LCMS method				
		Eluted plasma volume	Rivaroxaban	Apixaban	Edoxaban	Dabigatran
	n	70 cartridges	20 cartridges	20 cartridges	20 cartridges	20 cartridges
	Average	485 μL (455 to 505 μL)	< 5 ng/mL	13 ng/mL (9 to 32 ng/mL)	< 5 ng/mL	< 5 ng/mL

DOAC Filter

Cat. Nr 01345 20 cartridges per box

Bibliography

Carlo A, Landou C, Morange PE, Suchon P, DOAC filter efficacy and interest in patients undergoing LA testing, ISTH 2019 Melbourne

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