ESR Analyzer Comparison

iSED® vs. ALIFAX Roller Series

Why choose iSED?

- **Fully Automated QC Workflow**
- **7x Longer Sample Stability**
- **Reduced Risk of Biohazard Exposure**
- **Less Routine Maintenance (only 1 analytical unit to maintain)**

	iSED	Roller Series
Methodology	Measures RBC aggregation	Measures RBC aggregation
Sample Volume	500 µl total volume required (100 µl aspirated volume)	800 µl total volume required (175 µl aspirated volume) External probe volume = 300 µl
Sample Stability	28 hours stored at room temperature, 48 hours for refrigerated samples	Recommend testing within 4-6 hours for room temperature samples or within 24 hours for refrigerated samples
Onboard Sample Capacity	20 samples	20 samples
Throughput	180 samples/hour	120 samples/hour
Quality Control	SEDiTROL® ESR Control: •Bi-level human whole blood-based controls •Room temperature storage with 60 days open vial stability •No special washing required before or after QC use	ALIFAX Latex Controls: •Tri-level latex controls •2-8°C storage with 42 days open vial stability •Special washing required with QC – no automation •Internal and external sample probes must be QC'd separately
Sample Probe (Aspiration Needle)	1 internal probe	Internal probe, some models have external probe (which means analyzer has 2 separate analytical units)
Daily Maintenance	No operator-initiated daily maintenance Automatic washing and deep cleaning	Hands-on time for washing with bleach and DI water required daily
Biohazard risk	Minimal – samples remain capped	Operator must uncap blood samples when using external probe
Footprint (L x W x H)	36 x 27 x 35 cm (14.17 x 10.63 x 13.78 in)	24 x 39 x 46 cm (9.45 x 15.35 x 18.11 in)

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