

Equipment :	Business Unit:	Laboratory:	Req # :		
Automated ESR analyser	Nelson Mandela academic	Haematology		General specifications	Requirements
					Compliant
					Non-compliant
				Random access automated sedimentation rate analyser	Photometrical rheoscope- measure earliest, most critical phase of FBC sedimentation
				Throughput	1000 samples per month, ability to run 20 samples at a time and thereafter continuous feed of samples
				Analytical range	0-30 mm/hr
				Blood mixer	3-5min mixing of sample
				TAT	Results available within 10 minutes
				Sample management	Primary tube sampling, capped, no prior mixing
				Sample volume	Dead volume ≤500ul, minimum sample volume 100ul to accommodate paediatric samples
				Sample type	EDTA samples, accommodate paediatric samples
				Safety	OHS compliant, MSD for all reagents
				Operating temperatures	18-26°C
				IT	On-board automatic barcode reader
				Interface	Interfaced with LIS, vendor specialist on-site during interfacing
				Storage	On-board data storage of minimum 1000 patients, ability to export raw data on external device, archived data easily retrievable
				Software upgrade	Capable of accommodating future upgrades
				Printer	Built-in
				Display	Touch screen
				Service schedule	Yearly
				Calibration	As needed
				Maintenance	On-board auto washes
				Call center	24/7 service
				Application specialist & engineer	Readily available
					UPS and surge protector

	All hardware and software cabling to be supplied	
Dimension	Bench top 40cmx30cmx40cm Weight <30kg	
Electrical power supply	100-240v 50-60Hz	
Service contract/plan	5 years	
Warranty period	12 months	
Delivery and installation	Within 6 weeks	
Operators manual	English	
Quality control	Commercial controls	
Commissioning and installation	By supplier	
On-site training	By supplier	

Lab manager: N. Gegero
 Signature: 
 Date: 11/09/2024

OAC: N. DILINCA
 Signature: 
 Date: 11/09/2024