Auto ESR Analyzer

Features:

①. 7.0-inch color touch screen, real-time display of sample status.

②. Randomly insert sample positions for testing at any time.

③. Built-in thermal printer, can print dynamic ESR curve.

④. Infrared optical detection and precise measurement, the test results automatically complete temperature compensation, pressure volume compensation, and ESR equation K value.

⑤. With USB, Type-C interface and host computer supporting software, support uploading test results to LIS/HIS system.

⑥. Power-off protection function, automatic saving of test results, and sample abnormality alarm and recording function.

⑦. The base height is adjustable, with a leveling level to ensure accurate detection.

BK-ESR20pro

BK-ESR40pro

Technical Parameter:

Model	BK-ESR20pro	BK-ESR40pro
Application	Erythrocyte sedimentation rate analysis	
Measurement Method	Infrared detection	
Analysis Result	Westergren ESR value (mm/hour)	
Throughput	Maximum 40 tests/hour	Maximum 80 tests/hour
Analysis Channels	20 (load up to 20 samples for analysis at the same time)	40 (load up to 40 samples for analysis at the same time)
Loading Type	Load samples at any time, measure at any time	
Analysis Time	30 minutes or 60 minutes selectable	
Sampling Interval	3 min	
Measurement Range	0~150mm/h	
Temperature Compensation	The result is automatically corrected to the result at 18°C	
Result Resolution	1mm/1h and 1mm/2h	
Blood Level Range	46mm~64mm	
HCT Range	0.2~1.0	
Repeatability	0~10mm/h, SD≤1.5mm/h; >10mm/h, CV≤8%	
Channel Consistency	0~10mm/h, SD≤1.5mm/h; >10mm/h, CV≤8%	
Reading Accuracy	±0.1mm	
Display	7-inch color LCD touch screen	
Communication Interface	Type-C, USB interface	
Printer	Built-in thermal printer	
Power Supply	AC110~220, 50/60Hz	
External Size (W* D*H)	284*355*208mm	284*355*208mm
Net Weight	5.6kg	6.3kg
Package Size (W* D*H)	339*544*249mm	339*544*249mm
Gross Weight	8.7kg	9.4kg

Introduction:

ESR testing has important guiding significance for many clinical diseases, but the traditional standard Westergren method has complicated operation, low work efficiency and large cross-contamination. Automatic ESR analyzer uses advanced infrared light color difference interpretation technology to automatically scan the whole process of red blood cell sedimentation within 30 minutes for the sample of the vacuum blood collection tube, and refer to the Westergren method to measure the standard curve to obtain accurate results.

Application:

Applicable to hospital inspection departments, medical laboratories, research institutes, universities, disease control centers, etc.