Auto ESR Analyzer
BK-ESR20&BK-ESR40

BK-ESR20   BK-ESR40

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.

Features:

①. 7-inch color touch LCD screen, easy to operate, high resolution.

②. 40 samples/hour(BK-ESR20), 80 samples/hour(BK-ESR40), rapid detection

③. Randomly insert sample positions for testing at any time.

④. Built-in thermal printer for easy data printing.

⑤. Results are automatically temperature compensated.

⑥. Advanced optical testing principles to overcome reading errors in manual methods.

⑦. Power-off save function, automatically save the test results.

Parameters:

Model	BK-ESR20	BK-ESR40
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≤15%	
Channel Consistency	0~10mm/h, SD≤1.5mm/h; >10mm/h, CV≤15%	
Reading Accuracy	0.2mm	
Coincidence	≥90%	
Display	7-inch color LCD touch screen	
Communication Interface	RS232 serial interface	
Printer	Built-in thermal printer	
Power Supply	AC100~240,220V 50/60Hz	
External Size (W* D*H)	260*230*190mm	360*300*180mm
Net Weight	4.9kg	7.3kg
Package Size (W* D*H)	310*270*340mm	395*335*375mm
Gross Weight	7.2kg	10kg