



YJ-C202/4 Coagulometer





Description:

Blood coagulation instrument is mainly used to an instrument on blood coagulation detection, detection of the main project: prothrombin time (PT), activated partial thromboplastin time (APTT), thrombin time (TT), fibrinogen (FIB). The principle of initial coagulation analyzer is based on solidification method, because the current method of measurement is not reliable, so it is gradually replaced by magnetic bead method and optical method.

The following coagulometers optical method and magnetic bead method comparison:

Reagent: half dosage optical method for blood coagulation instrument only manual measurement; half the reagent beads method only optical method!

This is because in the turbidimetric determination process, intermediate excitation beam must play in the test cup, so there must be a sufficient amount of reagent. In the measurement of the double magnetic bead method, the steel ball moves at the bottom of the test cup, so the reagent just covers the steel ball.

Structure: the principle of optical detection method has the advantages of high sensitivity, simple structure, easy automation instrument, but the drawback is that the sample optical anomaly, test cup finish, and the bubble will become the interference factors of measurement

. The principle of magnetic bead detection is completely unaffected by hemolysis, jaundice and hyperlipidemia during coagulation test. Even the bubbles produced in the sample will not affect the advantages of the test results.



● Features:

- Double magnetic route
- Auto-linked pipette
- Testing channel: 2 or 4
- 7" color Touch Screen
- Built-in thermal printer



Performance:

- Double magnetic route, stable performance without interference
- The CPU adopt ARM technology to measure the motion of the magnetic ball to work out the coagulation time
- It can perform multi-parameter simultaneously with better accuracy, precision and repetition
- 100 assay parameters and 1000 test results can be saved
- Clock CMOS chip inserted
- Reagent-open system
- Built-in thermal printer
- Interface: RS232, USB, pipette-linked port
- Power supply: AC220V±15%, 50Hz, 80VA



Technical Specifications:

Test method	double magnetic route
Sample consumption	≤200uL
Reagent consumption	50uL~200uL
Temperature	37°C±0.5°C
Adding sample	by a timing linkage
Precision	CV ≤3%
Test speed	≤300s(depend on setting)
Sample warming-up	16/8 positions
Reagent warming-up	6/6 positions
Dimension	370(L)x290(W)x120(H)mm
Packing Dimension	480x410x240mm
Weight	4Kg(net), 6Kg(gross)

Test items:

Main Test	Others
PT	Hep,ProC,ProS
APTT	Coagulation factor II,V,VII,VIII,IX,X,XI,XII
TT	AT-III
FIB	AT
	RepT
	RVVT,RVVCT,RVVRT,LA



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