

ASPARTATE AMINOTRANSFERASE (AST/GOT)

Continuous-spectrophotometric
IFCC

The application parameters comprised here constitute a guide to facilitate the validation of our reagents by the instrument. It is advisable to validate the use when there is any change in software or reagent versions.

Instrument: **MONARCH**

Reagent preparation

Working Reagent: Pour the contents of a Reagent B bottle into a Reagent A bottle. Mix gently.
Stable for 2 months at 2-8°C.

Instrument settings

Identification parameters		Data acquisition parameters	
Test code	...	Analysis type	MIX
Test name	AST		RUN
Test mnemonic	AST	Temperature	37°C
Optical mode	ABSORBANCE	Early time	5 sec
Response algorithm	SLOPE	Delay time	85 sec
Result algorithm	FACTOR	Interval time	30 sec
Loading parameters		N° of data pts.	6
Loading type	LOAD	Filter 1	340 nm
	ANALYZE	Filter 2	340 nm
Reagent blank	OFF	Monochromator 1	340 nm
Reference type	DILUENT	Monochromator 2	340 nm
Sample volume	20 µL	Compatibility	1
Sample diluent	5 µL	Data integrity parameters	
Reagent diluent	5 µL	Integrity tests	SLOPE
1 st reagent (R1)	150 µL		SUBSTRATE DEPLETION
2 nd reagent (R2)	0 µL		STANDARD ERROR
1 st reagent bar code	...		NORMAL RANGE
2 nd reagent bar code	...	Integrity parameters	
Data fit parameters		Slope	NEGATIVE
Factor	2350	Max Delta Abs/Int	0.5
Units	U/L	Maximum SE	0.01
N° of dec. Places	0	Lower limit	0 U/L
		Upper limit	42 U/L
		... To be introduced by the operator	