

# 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: ARCHITECT C8000

### 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

General				Conventional Units		
Assay Number	AST ...	Type Version	Photometric 1	Results Unit	U/L	
Reaction Definition				Assay Defaults	Low Linearity High Linearity	1,1 500
Reaction Mode	Rate Down		Read Times	<u>Gender and Age specific Ranges</u>		
Wavelength	340 / 0	Main	3 -- 13	GENDER	AGE (Y)	NORMAL
Last Required Read	13	Flex	— -- —	Male	0-130	0 - 40
Absorbance Range	... / ...	Color Correction	— -- —	Female	0-130	0 - 40
Sample Blank Type	None	Blank Read Time	— -- —	Either	0-130	0 - 40
Reagent / Sample				Results Units	U/L	
Reagent	AST	Reagent Volume	R1 R2 200	Decimal Places	1	(Range 0-4)
Diluent	Saline	Water Volume	— —	Correlation Factor	1.0000	
Diluent Disp. Mode	Type 0	Dispense Mode	Type 0 Type 0	Intercept	0.0000	
Diluent Name	Sample	Water	Dilution Factor			
Standard	10		1:1.00			
Validity Checks						
Reaction definition	None					
Rate Linearity %	—					
Calibration						
Method	Linear					
Calibrators and Volumes						
Calibrator Set	Standard		Calibrator Level	Concentration	Volume	
			Blank	0.0	10	
			Std. 1	(*)	10	
			Std. 2	--	--	
			Std. 3	--	--	
			Std. 4	--	--	
			Std. 5	--	--	
Replicates	3	(Range 1-3)				
Intervals				Validity Checks		
Calibration Interval	Full Interval	999 hours	Blank Absorbance range:	0.0000 -- 0.0000		
Calibration Type	Adjust Type	None	Span Absorbance Range:	0.0000 -- 0.0000		
			Expected cal Factor :	0.00		
			Expected Cal factor tolerance:	% 0		
(*) Enter the standard value						
... Values to be entered by the user						