ARCHITECT

α-1 Antitrypsin 5+1

Diagnostic reagent for the quantitative in vitro determination of α-1 Antitrypsin in human serum by turbidimetric assay

1. General information

Please refer to the package insert for information on reagents, performance characteristics, additionally available products and complete instructions.

For calibration, please dilute Protein Calibrator High successively 1:2 in saline 9g/L. Alternatively use Protein Calibrator 5 Level Series. Use saline 9g/L as zero point. Sample and control predilution is performed on the instrument.

Note: Below recommended instrument settings should be used as a guideline in conjunction with respective instrument operation manual.

2. Instrument settings

GENERAL PARAMETERS			
Name	AAT	Assay type	Photometric
Assay number		Assay availability	Enabled
Assay version		Cal version	
REACTION DEFENITION			
Reaction mode	End up	Main read time	31 – 33
Primary wavelength	340	Flex read time	
Secondary wavelength	804	Color correction read time	0 – 0
Last read required	33	Blank read time	14 – 16
Absorbance range	0.000 – 0.000		
Sample blank type	Self		
Blank assay			
REAGENT/SAMPLE			
Reagent	AAT		
R1 reagent volume	250	R2 reagent volume	50
R1 water volume	0	R2 water volume	0
R1 dispense mode	Type 0	R2 dispense mode	Type 0
Diluent name	Saline	Diluent dispense mode	Type 0

Diluent name	Sample volume	Diluted S. Vol.	Diluent volume	Water volume	Dilution factor
STANDARD	20.0	2.0	180	0	1:10
DIL1	10.0	2.0	190	0	1:20

VALIDITY CHECKS			
Reaction check type	None		
Read time A range		Read time B range	
Calculation limit		Minimum absorbance	
		Rate linearity %	
Maximum abs. variation	0.000		
CALIBRATION PARAMETERS			
Calibration method	Spline		
Use cal factor from		Factor	10
Full interval hours	672	Adjustment interval hours	
Expected cal factor	0	Adjustment level	
Expected cal factor tol. %	0	Default ordering type	Full
		Blank absorbance rate	0.00 – 0.00
Span		Span absorbance rate	0 – 0
Maximum curve fit	0		
Calibrator set name		Replicates	1

Cal level	Concentration	Sample volume	Diluted S. vol.	Diluent volume	Water volume
Blank	0	2.0	0	0	0
Std 1	*	20.0	2.0	180	0
Std 2	*	20.0	2.0	180	0
Std 3	*	20.0	2.0	180	0
Std 4	*	20.0	2.0	180	0
Std 5	*	20.0	2.0	180	0

SMART WASH

Component	Reagent/Assay	Wash	Volume	Replicates	Wash protocol
Reagent probe (R1)	All	Water	345	1	
Reagent probe (R2)	All	Water	345	1	

RESULT PARAMETERS			
Linearity range			
Flag range specifications			
RESULT UNITS			
Result concentration units	mg/dL	Correlation factor	1.00
Result decimal places	1	Intercept	0.00

*Calibrator value, see insert