



Procalcitonin (PCT) Immunoassay Application Data Sheet

Architect c8000 Parameters Temperature 37°C

Use the following parameters with calibrator 2310-601 for calibration.

General Parameters

Name: PCT
Assay number: *
Assay version:
Type: Photometric
Assay Availability: Enabled

Reaction Definition

Reaction mode: End Up
Primary wavelength: 604
Secondary wavelength: None
Last read required: 27
Sample blank type: Self
Blank assay:
Main read time: 27-27
Flex read time:
Color correction read time: 0 - 0
Blank read time: 19-19

Reagent / Sample

Reagent: PCT
R1 reagent volume: 108
R1 water volume: 0
R1 dispense mode: Type 1
Diluent name:
R2 reagent volume: 36
R2 water volume: 0
R2 dispense mode: Type 1
Diluent dispense mode: Type 0

Dilution name	Sample volume	Diluted sample volume	Diluent volume	Water volume	Dilution factor
STANDARD	16.8	0.0	0	0	1 :1.00

Validity checks

Reaction check type: None
Read time A range:
Calculation limit:
Rate linearity %:
Maximum absorbance variation:
Read time B range:
Minimum absorbance:

Calibration parameters

Calibration method: Spline
Use cal factor from:
Full interval hours: *
Adjustment type: None
Expected cal factor:
Expected cal factor tolerance %: 99
Span: Blank
Maximum curve fit: 0.0
Calibrator set name: PCT
Factor:
Adjustment interval hours: 0
Adjustment level:
Default ordering type: Full
Blank absorbance range: -9.9999-9.9999
Span absorbance range: 0.0001-9.9999
Replicates: 2

Cal level	Concentration	Sample volume	Diluted sample volume	Diluent volume	Water volume
PCT Cal L0	0.00	16.8	0.0	0	0
PCT Cal L1	*.**	16.8	0.0	0	0
PCT Cal L2	*.**	16.8	0.0	0	0
PCT Cal L3	*.**	16.8	0.0	0	0

PCT Cal L4	**. **	16.8	0.0	0	0
PCT Cal L5	**. **	16.8	0.0	0	0

Smart wash

Component	Reagent/Assay	Wash	Volume	Replicates	Wash protocol
Sample Probe		Detergent A			Wash optimal
Rgt 1 Probe	All	10 % Detergent B	345	1	
Rgt 2 Probe	All	10 % Detergent B	345	1	

Results parameters

 Linearity range: 0.2 – 52.0 ng/mL
 Flag range specifications:

Gender	Age	Normal Range	Extreme range
Male	0 - 130 years	0.00-0.50 ng/ml	

Interpretation parameters
Result units

 Result concentration units: ng/mL
 Result decimal places: 2

 Correlation factor: 1.0000
 Intercept: 0.0000

*Value input by operator