



Procalcitonin (PCT) Assay Kit Application Data Sheets

Beckman AU680 Parameters Temperature 37°C

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

Specific Test Parameters					
Test Name:	PCT	Type:	Serum	Operation:	Yes
Sample:	Volume 14.0 µL	Dilution	0 µL	Pre-Dilution Rate:	1
Reagents:	R1 volume 90 µL	Dilution	0 µL	Min OD	Max OD
	R2 volume 30 µL	Dilution	11 µL	L: -2.00000	H: 3.00000
				Reagent OD Limit:	
				First L: -2.0000	First H: 3.0000
				Last L: -2.0000	Last H: 3.0000
				Dynamic Range:	
				L: 0.2	H: 52
				Correlation Factor:	
				A: 1.000000	B: 0.000000
				Onboard stability Period:	28 days
Wavelength:	Pri. 600	Sec.	None		
Method:	FIXED1				
Reaction Slope:	+				
Measuring Point 1:	First 12; Last 21				
Measuring Point 2:	First Last				
Linearity Limit:	%				
Lag-Time Check:					
Calibration Specific					
Test Name:	PCT	Type:	Serum		
Calibration Type:	6AB	Formula:	Polygonal	Counts:	2
				Process:	Conc
	Cal No.	OD	CONC	OD Range	
				Low	High
Point 1:	*		0.01	-2.0000	3.0000
Point 2:	*		*.*	-2.0000	3.0000
Point 3:	*		*.*	-2.0000	3.0000
Point 4:	*		*.*	-2.0000	3.0000
Point 5:	*		*.*	-2.0000	3.0000
Point 6:	*		*.*	-2.0000	3.0000
1-Point Cal. Point:	N/A			Advanced Calibration:	No
MB Type Factor:	N/A			Calibration Stability Period:	*

*value input by operator

Additional Notes:

PCT assay is linear in the range of 0.20-52 ng/mL. Results below or above the dynamic range of 0.20-52 ng/mL are flagged appropriately by analyzer. Results below 0.20 ng/mL should be reported as < 0.20 ng/mL, samples with values greater than 52 ng/mL should be diluted 1:4 with 0.9% saline and rerun. Multiply results by dilution factor 5.

Reconstituted calibrators/controls are stable for 7 days at 2-8°C; 3 months at -20°C.

Extra wash steps following PCT runs are not necessary beyond routine maintenance washes required by analyzer. Refer to analyzer user guide for details.

AU680 Contamination Avoidance Parameters							
No.	Preceding Test Name	Following Test Name	Reagent Probe Cleaner	Wash Count	Effective of Water Cleaning	Same Use**	
						Mixer	Cuvette
1	GENT OSR6420 ^a	PCT	CLN 100%*	1	No	Yes	Yes
2	TOBR 100018 ^b	PCT	CLN 100%*	2	No	Yes	Yes
3	PHB OSR6413 ^a	PCT	CLN 100%*	2	No	Yes	No
4	VPA OSR6415 ^a	PCT	CLN 100%*	3	No	Yes	No

*CLN OSR0001, replenish on a daily basis or as required.

**Certain instruments use column label "Prevent Use". In such case, the settings must still be programed as shown in this table.

^aBeckman Coulter Catalog Number

^bThermo Fisher Catalog Number