



Procalcitonin Assay Application Data Sheet

Beckman AU480 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 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
Wavelength: Pri. 600 Sec. None				Reagent OD Limit:	
Method:	FIXED1	First L: -2.0000		First H:	3.00000
Reaction Slope: +		Last L: -2.0000		Last H:	3.00000
Measuring Point 1:	First 12; Last 21	Dynamic Range:		L: 0.2	H: 52
Measuring Point 2:	First Last	Correlation Factor:		A: 1.000000	B: 0.000000
Linearity Limit:		Onboard stability Period:		28 days	
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	OD Range/High
Point 1:	*		0.02	-2.00000	3.00000
Point 2:	*		*.*	-2.00000	3.00000
Point 3:	*		*.*	-2.00000	3.00000
Point 4:	*		*.*	-2.00000	3.00000
Point 5:	*		*.*	-2.00000	3.00000
Point 6:	*		*.*	-2.00000	3.00000
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 analyser user guide for details.

To prevent contamination of PCT by the Preceding Tests listed below, Wash Solution Cat. No. OSR0001 must be used and the following settings must be entered in Menu List > Parameters > Misc. > Contamination Parameters > Contamination Prevention:

AU480 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 R1	PCT R1	CLN 100%*	1	No	Yes	Yes
2	GENT OSR6420 ^a R2	PCT R1	CLN 100%*	1	No	Yes	Yes
3	TOBR 100018 ^b R1	PCT R1	CLN 100%*	2	No	Yes	Yes
4	TOBR 100018 ^b R2	PCT R1	CLN 100%*	2	No	Yes	Yes
5	PHB OSR6413 ^a R1	PCT R1	CLN 100%*	2	No	Yes	No
6	PHB OSR6413 ^a R2	PCT R1	CLN 100%*	2	No	Yes	No
7	VPA OSR6415 ^a R1	PCT R1	CLN 100%*	3	No	Yes	No
8	VPA OSR6415 ^a R2	PCT R1	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

Note: When selecting a preceding R1 and a following R1, R2 to R2 is also automatically selected. There is no facility for selecting a preceding R2 and a following R2 on the AU480 instrument.