

Procalcitonin Assay Application Data Sheet

Beckman AU5800 Parameters

Temperature 37°C

Use the following parameters with calibrator 2310-601 for calibration

	of Domesto										
Specific Test Parameters Test Name: PCT Type: Serum Operation: Yes											
		1.4 T		: Serum		ration: Yes					
Sample:		14 μL		•	Pre-Dilution Rate:						
Reagents:	R1 volume				Min OD Max O						
	R2 volume	30 μL	Diluti	•	L: -2.00000	H: 3.0000					
					Reagent OD Limit:						
	: Pri. 600	Sec. Nor	ne		First L: -2.0000 First H: 3.00000						
Method: FD	XED1				Last L: -2.0000 Last H: 3.00000						
Reaction Sl	ope: +]	Dynamic Range:						
Measuring Point 1: First 12; Last 21 L: 0.2 H: 52											
Measuring Point 2: First Last Correlation Factor:											
Linearity Limit: A: 1.000000 B: 0.000000											
Lag Time C	heck:				Onboard stability Period: 28 days						
					•	•					
Calibration Specific											
Test Name:					Type: Serum						
Calibration Type: 6AB Formula: POLYGONA					Counts: 2	Process: Conc					
	Cal No. O	D (CONC	OD Range/L	ow OD Range/Hi	gh					
Point 1:	*		0.01	-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: *						
vib Type Factor. 1974 Cambration Stability Fellou.											

^{*} 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.

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:

EKF Diagnostics



AU5800 Contamination Avoidance Parameters											
	Preceding Test	Following	Reagent Probe	Wash Count	Effective of Water Cleaning	Same Use**					
No.	Name	Test Name	Cleaner			Mixer	Cuvette				
1	GENT OSR6420a	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.

Alternatively, PCT must be evaluated on a different cuvette wheel than the Preceding Tests listed above.

^{**}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