EKF Diagnostics
1261 North Main Street
Boerne, TX 78006
USA

USA Toll-Free Tel: 1-800-531-5535
Tel: (830) 249-0772

www.ekfusa.com

Procalcitonin Assay
Application Data Sheet

Beckman AU5800 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: 3.0000
Reagent OD Limit:
Wavelength: Pri. 600 Sec. None First L: -2.0000 First H: 3.00000
Method: FIXED1 Last L: -2.0000 Last H: 3.00000
Reaction Slope: + 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 Check: Onboard stability Period: 28 days

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:	*		0.01	-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: *

* 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:

Customers should be aware that this protocol has not
been validated by EKF Diagnostics or the instrument manufacturer.

EKF Diagnostics
1261 North Main Street
Boerne, TX 78006
USA

USA Toll-Free Tel: 1-800-531-5535
Tel: (830) 249-0772

www.ekfusa.com

AU5800 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.
[a]Beckman Coulter Catalog Number
[b]Thermo Fisher Catalog Number

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

Customers should be aware that this protocol has not
been validated by EKF Diagnostics or the instrument manufacturer.