STANDARD F PCT FIA (Serum)

» Background

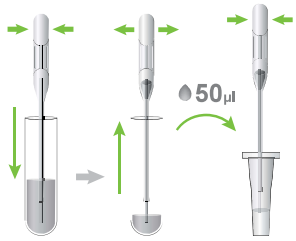
STANDARD F PCT FIA (Serum) is a fluorescent immunoassay for the quantitative measurement of procalcitonin level in human serum. PCT helps assess the severity and prognosis of bacterial infections, and support early diagnosis of sepsis.

» Product Specification

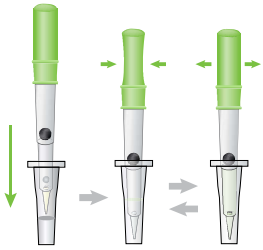
CE

STANDARD F PCT FIA (Serum)	
Intended Use	Quantitative measurement of PCT level to diagnose sepsis and bacterial infection
Specimen type	Serum
Specimen volume	50 µl
Measurement range	0.1 – 50 ng/ml
Reference range (SEPSIS)	< 0.1 (Normal) | 0.1 – 0.5 (Low risk or local infection) | 0.5 – 2.0 (Moderate risk for sepsis) | 2.0 – 10.0 (High risk for sepsis) | > 10.0 (Severe sepsis or septic shock)
Reference range (LRTI)	< 0.1 (Normal) | 0.1 – 0.25 (Bacterial infection unlikely) | 0.25 – 0.5 (High likelihood of bacterial infection) | > 0.5 (Severe bacterial infection)
Testing time	15 mins
Storage condition	2 – 30°C / 36 - 86°F

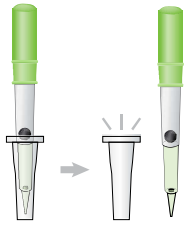
» Test Procedure



Extract 50µl of serum and mix it with the extraction buffer.



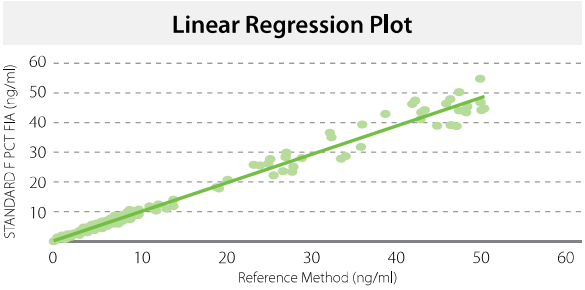
Gently draw and release 6-8 times using a Spoit™(Green) until a white tablet dissolves perfectly.



Collect all the mixture with the Spoit™(Green).

Apply the sample mixture into the sample well of the test device.

» Method Comparison



Reference method vs STANDARD F PCT (Serum)	
Correlation vs Roche cobas	Y=0.9942x + 0.0158; r=0.9933; n=210
CV%	QCL=5.8% / QCM=6.5% / QCH=5.8%
Differ(%)	within 12%

» Ordering Information

Category	Product	Pack Size	CAT No.
Inflammation	STANDARD F PCT FIA (Serum)	20 Tests	10PCT10B
	STANDARD F PCT Control	Lv1 x 10 / Lv2 x 10	10PCTC10

STANDARD F PCT FIA

» Background

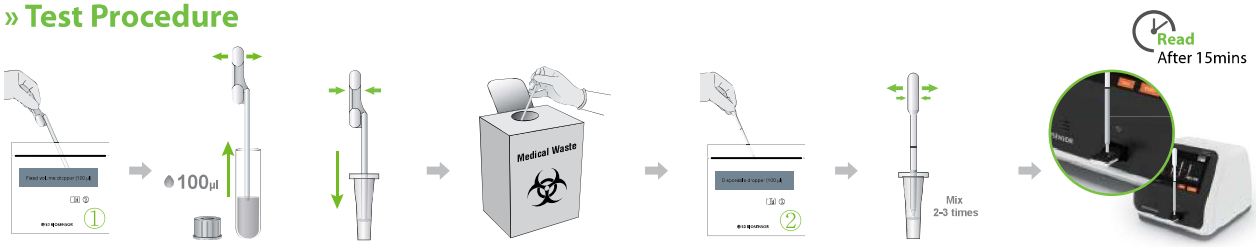
STANDARD F PCT FIA is a fluorescent immunoassay for the quantitative measurement of procalcitonin level in human serum, plasma, and whole blood. Procalcitonin helps assess the severity and prognosis of bacterial infections, and support early diagnosis of sepsis.

» Product Specification

CE

STANDARD F PCT FIA	
Intended use	Quantitative measurement of PCT level to diagnose sepsis and bacterial infection
Specimen type	Whole blood, Serum, Plasma
Specimen volume	100 µl
Measurement range	0.05 – 50 ng/ml
Reference range (SEPSIS)	< 0.05 (Normal) | 0.05 – 0.5 (Low risk or local infection) | 0.5 – 2.0 (Moderate risk for sepsis) | 2.0 – 10.0 (High risk for sepsis) | > 10.0 (Severe sepsis or septic shock)
Reference range (LRTI)	< 0.1 (Normal) | 0.1 – 0.25 (Bacterial infection unlikely) | 0.25 – 0.5 (High likelihood of bacterial infection) | > 0.5 (Severe bacterial infection)
Testing time	15 mins
Storage condition	2 – 30°C / 36 - 86°F

» Test Procedure



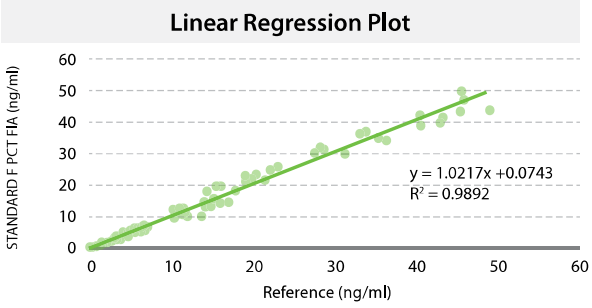
Collect 100 µl of sample with a fixed volume dropper (100 µl).

Dispense collected sample into the extraction buffer tube. Then, discard the used fixed volume dropper (100 µl).

Mix sample and buffer 2-3 times with the disposable dropper (100 µl). Then collect 100 µl of sample mixture.

Apply the sample mixture into the sample well of the test device and immediately press the start button.

» Method Comparison



Reference method vs STANDARD F PCT	
Correlation vs Roche cobas	y = 1.02147x +0.0743; r=0.9946; n=210
CV%	QCL=7.5% / QCM=9.2% / QCH=8.9%
Differ(%)	Within 15%

» Ordering Information

Category	Product	Pack Size	CAT No.
Inflammation	STANDARD F PCT FIA	20 Tests	10PCT20B
	STANDARD F PCT-02 Control	Lv1 x 10 / Lv2 x 10	10PCTC20