

Patient Name	:		Bill Date	:	
DOB/Age/Gender	:		Sample Collected	:	
Patient ID / UHID	:		Sample Received	:	
Referred By	:		Report Date	:	
Sample Type	:		Report Status	:	
Barcode No	:				

Test Description	Value(s)	Unit(s)	Reference Range
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BIOCHEMISTRY REPORT

Procalcitonin (PCT)

Procalcitonin	0.0282	ng/mL	< 0.5
Method : ECLIA			

Interpretation:

1. PCT is the prohormone of calcitonin secreted by different types of cells from numerous organs in response to? proinflammatory stimulation, particularly bacterial stimulation.
2. Depending upon clinical background, PCT > 0.1 can indicate clinically relevant bacterial infection, requiring antibiotic treatment.
3. PCT is an important marker enabling specific differentiation between bacterial infection and other causes of inflammatory reactions
4. Resorption of septic infection is accompanied by decreases in PCT concentration which returns to normal with half life of 24 hours
5. In certain situations (newborns, polytrauma, burns, major surgery, prolonged or severe cardiogenic shock etc) PCT elevation may be independent of any infectious aggression.
The return to normal values is usually rapid
6. Viral infections, allergies, autoimmune diseases and graft rejection do not lead to significant increase in PCT. Localized bacterial infections can lead to moderate increase in PCT levels.



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