

Final Report

Patient Name	MR. KIRAN BHAGWAN TAWARE	UHID	MGM240017131
Age / Gender	56 Yrs 2 Mth / MALE	Patient Case Type	IPD
Ref. Consultant	DR.PRASHANT ATHALE	Collection Date & Time	14-10-2024 12:19
Sample ID	MGM24153585	Result Entry Date & Time	14-10-2024 14:40
Ward/Bed No	SICU / SICU-010	Reporting Date & Time	14-10-2024 15:44:08
IP No.	MGMIP2406720	Receipt Number	MGMWPR240092254
		*MGM240017131*	

SEROLOGY REPORT

Test	Result	Unit	Biological Reference Interval
Sample Type: Serum			
SERUM PROCALCITONIN . [ Sandwich Immunoassay ]	1.25	ng/mL	

Method: The test uses a sandwich immunodetection method.

Limitation:

1. The test may yield false positive result due to the cross reactions and/or non-specific adhesion of certain sample components to the capture/ detector antibodies.
2. The test may yield false negative result due to the non responsiveness of the antigens to the antibodies which is the most common if the epitope s masked by some unknown components , so therefore not being able to be detected or captured by the antibodies. The instability or degradation of the antigens with time and/or temperature may also cause false negative result as it makes the antigens unrecognizable by the antibodies.
3. Any clinical diagnosis based on the test result must be supported by a comprehensive judgment of the concerned physician in conjunction with clinical symptoms and other relevant test results.
4. It is recommended to test the sample within 6 hours after collection because it's reported the concentration is rapidly changed when the sample for PCT test is kept at room temperature or refridgerated.

References:

1. Utility of Serum Procalcitonin for Diagnosis of Sepsis and Evaluation of Severity. Taejin Park, M.D., Tuberc Respir Dis2011;70:51-57
2. Procalcitonin as a Diagnostic Test for Spesis: Health Technology Assessment in the ICU. Gattas and Cook, J Crit Care.2003, 18:52-8
3. Anew strategy for the development of monoclonal antibodies for the determination of human procalcitonin in serum samples. Kremmer et al, Anal Bioanal Chem.2012,402;989-995.

\*\*\*End of the Report\*\*\*

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