

SPECIFICATION OF MACHINE FOR UNDERGOING D-DIMER TEST

1	Method	Automatic
2	Basic working principle	i) Rate based Nephelometry and Turbidimetry. ii) Should have high linearity and sensitivity. iii) Should have wide measuring range.
3	Technology	i) Light source should be monochromatic laser LED (650 nm wavelength). ii) Light should be a narrow one. iii) Channels shifting should be automatic based on reaction rate. iv) No decaying of brightness of light over time. v) No excess heat production. vi) Should be able to detect Prozone phenomenon.
4	Pipetting	i) Pipetting should be automatic not manual and error free. ii) Pipetting system should be stainless steel, fluoride coating with hydrophobic nature.
5	Calibration of machine should be inbuilt smart card system without any wastage of time and extra cost.	
6	Should be user friendly.	
7	Turnaround time for each test should be within 5 minutes.	
8	Memory storage should be atleast for 1000 results.	
9	Machine should be preferably made in India, as per the guidelines of Central Government.	

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