



# DEPARTMENT OF MICROBIOLOGY

## GMERS MEDICAL COLLEGE VADNAGAR-384355

### DIAGNOSTIC FACILITY & TEACHING FACILITIES

#### DEPARTMENT OF MICROBIOLOGY - DIAGNOSTIC FACILITY

Sr No	Name of the test	Test Principal
<b>Bacteriology</b>		
1	Aerobic culture and Sensitivity testing (Biological samples)	Conventional culture and AST
2	Diphtheria Culture	
3	Automated Blood Culture	BD Bactec system for Automated Bi culture
4	Gram Staining	
5	ZN staining	
6	Albert Staining	
7	Giemsa staining	
8	ZN stain for Lepra bacilli	
9	Environmental surveillance	Air, Water and Surface Samples culture
<b>Serology</b>		
10	HbsAg detection	ELISA
11	HbsAg detection	Immuno-chromatography
12	ASO	Latex agglutination
13	RA factor	Latex agglutination
14	CRP	Latex agglutination
15	WIDAL slide and tube	Latex agglutination
16	RPR	Immuno-chromatography / Slide Flocculation
17	TPHA for Syphilis	Passive agglutination
<b>Virology</b>		
18	NS1 Ag detection for Dengue	Immuno-chromatography
19	IgM anti Dengue Ab	Immuno-chromatography
20	IgM anti CHIK Ab	Immuno-chromatography
21	IgM anti HAV Ab	Immuno-chromatography/ ELISA
22	IgM anti HEV Ab	Immuno-chromatography/ ELISA
23	Anti HCV Ab	ELISA
24	Anti HCV Ab	Immuno-chromatography
25	IgM anti TOXOPLASMA Ab	Immuno-chromatography
26	IgG anti TOXOPLASMA Ab	Immuno-chromatography
27	IgM anti Rubella Ab	Immuno-chromatography
28	IgG anti Rubella Ab	Immuno-chromatography
29	IgM anti Cytomegalo Ab	Immuno-chromatography
30	IgG anti Cytomegaly Ab	Immuno-chromatography
31	IgM anti Herpes Ab	Immuno-chromatography
32	IgG anti Herpes Ab	Immuno-chromatography
<b>ICTC &amp; Immunology</b>		
33	Anti HIV antibody	ELISA
34	Anti HIV antibody	Immuno-chromatography
<b>Mycology</b>		
35	Microscopy for Fungal identification	



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36	KOH mount	
37	India ink preparation	
38	Fungal Culture	
<b>Parasitology</b>		
39	Stool microscopy	Wet mount
40	Modified ZN stain for parasites	
<b>Molecular</b>		
41	Influenza	RT PCR
42	COVID 19	RT PCR
43	Hepatitis B viral load	DNA PCR
44	Hepatitis C viral load	RT PCR
Outbreak investigation		
AMR surveillance		

**DEPARTMENT OF MICROBIOLOGY - TEACHING FACILITY**

<b>Sr No</b>	<b>Teaching</b>	
<b>1</b>	UG Teaching	MBBS Students
<b>2</b>	PG Teaching	DNB (Micro) Students