

CENTRAL RESEARCH LABORATORY (CRL) was established at PMS College of dental science and research to provide our students in house facility to conduct advanced biochemical, microbiological and molecular biology studies. This will also enable them to be familiar with the procedures and give them an opportunity to participate in the procedures. Research infrastructure will facilitate in acquiring funded research projects. We aim to function as a referral lab for other nearby academic institutions.

EQUIPMENTS AND FACILITIES AVAILABLE

In central research laboratory we provide facility to conduct ELISA, Immunohistochemistry, cell culture experiments, RNA extraction and PCR etc. Along with these we regularly do routine clinical biochemistry investigations and histopathological examination of soft and hard tissues.

MOLECULAR BIOLOGY LAB		
Sl No	Name of equipment	Name of Company
1	ELISA Reader (PR4100) with computer and printer	BIORAD
2	ELISA WASHER (PW40)	BIORAD
3	Mastercycler nexus gradient 230 PCR with UPS	EPPENDORF
4	Mini centrifuge	EPPENDORF
5	Cooling centrifuge 5430R with 48well rotor	EPPENDORF
6	Mini submarine gel electrophoresis unit	HELINI
7	Mini power pack	HELINI
8	Research plus pipettes 1000µl, 200µl, 100µl, 20µl, 10µl	EPPENDORF
9	-20°C Deep freezer	BLUE STAR
10	SHAKER WATER BATH	PRECITEK
11	INCUBATOR KEMI	KEMI
12	WEIGHING BALANCE	CASIO
13	PH METER	
14	AUTOCLAVE UNICLAVE	CONFIDENT

CELL CULTURE LAB		
15	INVERTED MICROSCOPE LABOMED	LABOMED
16	CO2 INCUBATOR THERMO	THERMOSCIENTIFIC
17	CENTRIFUGE	CENTURION SCIENTIFIC
18	LAMINAR AIRFLOW iMSET	iMSET
IMMUNOHISTOCHEMISTRY LAB		
19	TISSUE FLOTATION BATH	<u>ROTEK</u>
20	LEICA SEMI AUTOMATIC MICROTOME	LEICA
21	INCUBATOR Beston	BESTON
22	PARAFFIN EMBEDDING BATH	ROTEK
23	WAX BATH	ROTEK
24	VEIN SPY HAND VEIN FINDING DEVICE	
HISTOPATHOLOGY LAB		
25	HOT PLATE	PRIDE
26	MICROSCOPE	LABOMED
CLINICAL BIOCHEMISTRY LAB		
27	FRIDGE	LG
28	CENTRIFUGE	REMI
29	MINI CENTRIFUGE	KEMI
30	WATERBATH MINI	ROTEK
31	COLORIMETER	PHOTOCHEM
32	MICROSCOPE	LABOMED
33	MICROPIPETTES 20µl, 200µl, 1000µl	THERMO SCIENTIFIC
34	MICROPIPETTES 500µl	HIMAPETTE
35	MICROPIPETTES 100µl	LABOPETTE
36	MICROPIPETTES 1000µl	C-PAULO
37	MICROPIPETTES 10µl	THERMO ELECTRON
38	MICROPIPETTES 100µl	DRAGON LAB
39	CELL COUNTER	