

S.S. Institute Of Medical Sciences And Research Centre, Davangere

Central Research Laboratory

Advances in medicine and science come from new ideas and approach developed through research. Central Research Laboratory (CRL) is a facility that provides a centralized research infrastructure to benefit investigators in multiple disciplines. The research laboratory is situated on the first floor of the combined block.

The renovated, well-equipped, climate-controlled, and Power Back up CRL was inaugurated on December 2015. The CRL with a 2100 sq. feet area provides sufficient bench space for multidisciplinary research. The CRL has advanced cutting-edge technology instruments, experienced researchers, faculty members, and trained technicians. The CRL consists of Pathology, Biochemistry, Microbiology, and Molecular Biology sections to conduct research.

The scope of CRL is to support the research activities of the Faculty, Ph.D. scholars, and postgraduate and undergraduate students from all the specialties of the institution by providing technical assistance and access to advanced and high-end scientific instruments. This will facilitate the investigators to accelerate their research study and provides a structural environment where researchers, undergraduate and postgraduate students, and faculty can work together on projects that are relevant and fundamentally important. The molecular facilities at CRL are useful for conducting research at the very advanced level as well as for diagnosis and confirmation of disorders at the molecular level.

List of Instruments

Sl. No.	Instrument Name	Units/Numbers/ Quantity
1	Pipette (100ul)Eppendorf	06
2	Pipette (200ul)Eppendorf	01
3	Pipette (100ul-1000ul)Eppendorf	05
4	Pipette (10ul)Eppendorf	05
5	Pipette (0.5-50ul)Eppendorf	02
6	Pipette (0.1-2.5ul)Eppendorf	03
7	Biosafety cabinet, Class II, A2 (Esco)	02
8	Laminar airflow	01
9	Bio Safety Cabinet Class II ,B2 (Symbiont)	01
10	Deep freezer (-20 Degree), Vestforst	01
11	Thermo Mixer C (Eppendorf)	01
12	Cold Centrifuge (RT 5415r) (Eppendorf)	01
13	Cold Centrifuge (RfT5418r) (Eppendorf)	01
14	RTPCR (Rotor-Gene Q) With Laptop	01
15	RTPCR (Biorad CFX 96) With Laptop	01
16	Master Thermal Cycler (Eppendorf)	01
17	Deep Freezer (-80 Degree) (Eppendorf)	02
18	Nano Drop (Eppendorf)	01
19	Mix Mate (Eppendorf)	01
20	Mini Spin (Eppendorf)	02
21	Ice Box (Eppendorf)	01
22	Laboratory Centrifuge (Remi)	01
23	Gel Documentation Transilluminator With Camera (E-Box)	01
24	Bio Spectrometer (Eppendorf)	01
25	Biological Incubator (Remi)	01
26	Vortex Mixer (Remi)	01
27	Electrophoresis Unit (0-500v) (Biobee)	01
28	Water Bath	01
29	Refrigerator	03
30	Spinwin Strip (Tarson) centrifuge	01
31	UPS 04 KW	01
32	UPS 20 KW	01
33	Air Conditioner	04
34	C.C. Camera	04
35	Multi-channel pipette	02
36	Positive displacement pipette	02
37	Inverted microscope	01
38	Carbon-di-oxide incubator	01
39	Auto analyzer	01
40	ELISA reader	01
41	ELISA washer	01
42	BOD incubator	01
43	Advanced autoclave	01