

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

Stem Cell Research Laboratory

The Stem Cell Research Laboratory is a state-of-the-art research wing of S. S. Institute of Medical Sciences and Research Centre, Davangere, Karnataka. The main objective is to acquire the basic knowledge and understanding of stem cell behavior under different conditions and each cell specification lineage required for the development of regenerative therapies to treat fatal human diseases. Ultimately we seek to provide scientific foundations for the application of cell replacement therapies in the treatment of human disease and injury.

Instruments available in Stem Cell Research Laboratory

S.I. 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 (RtT5418r) (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)	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	Fluorescent microscope	01
38	Darkfield microscope	01
39	Phase contrast microscope	01
40	Inverted microscope	01
42	Carbon-di-oxide incubator	01
43	Advanced autoclave	01
44	Incubator	01
45	Hot-air oven	01