



**Equipment list in Laboratory of Vascular Physiology and Medicine: 31**

Sl. No.	Name of Equipment	Make & Model	Quantity
1.	Chemi documentation System	Bio-Rad, Chemi Doc XRS + system	1
2.	Vertical Electrophoresis Unit	Bio-Rad	1
3.	Horizontal Electrophoresis Unit	Bio-Rad	1
4.	Thermal Cycler (PCR)	Bio-Rad, T100	1
5.	Physio pac for small rodent & Human Electrophysiology	BioPac, BIOPAC MP45	1
6.	NIBP for animals	BioPac, NIBP200A	1
7.	Pressure Telemetry Foundation System (ACA)	AD Instruments	1
8.	HD-S11 Small Implant (PBTA,100/6.300. FO	AD Instruments	1
9.	HD-S Implant Starter Kit	AD Instruments	1
10.	Vertical Deep Freezer for -20° C	Elanpro, EFSV340	1
11.	Cosmic 2 KVA Servo Stabilizer	Cosmic	1
12.	Cooling Centrifuge	REMI C24	1
13.	Incubator	Dico	1
14.	Water bath	BR BIOCHEM Life Sciences, HH-W420	1
15.	Tissue Homogenizer	REMI ELEKTROTECHNIK LTD, RQ-127/A	1
16.	Vortexer	Bio-Rad, BR-2000	1
17.	Rocker	Bio-Rad, 1660720	1
18.	Centrifuge	REMI, R4C	1
19.	Digital pH Meter	Global	1
20.	Electronic Balance (Chemical Weighing)	Sathyam Digital Scale	1
21.	Electronic Balance Capacity 5-1100gm (Small animal Weighing)	Sartorius, PRACTUM1102-10in	1
22.	UV-Visible Spectrophotometer	Shimadzu, UV-1800	1
23.	Microplate Reader	Meril, EIAQUANT	1
24.	Microplate Washer	Meril, EIAWASH	1
25.	Variable volume Micropipette (0.1-2µl, 0.5-10 µl, 2-20 µl, 20-200 µl, 100-1000 µl, eight channel-5-50 µl, 20-200 µl)	Discovery comfort	07
26.	Hot plate	Optics Technologies	1
27.	Refrigerator 4°C and Deep freezer	Godrej	1
28.	6 Kva UPS System	Numeric Brand	1
29.	Digital LED Light with Stand	Apex	1
30.	Digital Glass Bead Sterilizer	GDI	1
31.	Hypoxia Chamber with 3 gas Cylinders	Hypoxia Workstation (BIOXIA H 800)	1

**Equipment list in Centre for yoga & exercise physiology: 08**

**d.**

Sl. No.	Instrument Name	Purchase Date
1.	Weighing Scale (1)	01-03-2021
2.	Height Measuring Scale	01-03-2021
3.	BP Apparatus (4)	01-03-2021
4.	Stethoscope (3)	01-03-2021
5.	Body Fat Calculate (1)	01-03-2021
6.	Periscope (1)	01-13-2022
7.	Cauwin (1)	01-03-2021
8.	Dicromin (Pulse Plethysmography analysis System)	01-03-2021

**Equipment:**

Name of the Equipment	Numbers Available	Functional Status	Important Specifications in brief	Adequate Yes/No
Digital Physiograph	01	Yes	To record Pulse, Respiration & BP	Yes
Treadmill	01	Yes	To check Heartbeat	Yes
Mosso's ergograph	02	Yes	To check Mass strength	Yes
Perimeter	06	Yes	To check of Eye strength	Yes
Stethograph	02	Yes	To check Lung's strength	Yes
Spirometer	02	Yes	To check Lung's strength	Yes
pH meter	01	Yes	To Detection of Alkaline & Acidic	Yes

**e. Facilities for Practical/Research.**

- a) Facilities for the theory and practical classes for UG students as per NMC recommendations: Yes
- b) Facilities to carry out additional classes and practical at PG level: Yes
- c) Laboratories and other facilities for conducting research: Yes

**f. Brief details regarding Applied Physiology:**

- a) Facilities available for training in Applied Physiology. Yes
- b) Facilities available for training in other selected subjects. Yes

**A. SERVICES:**

<b>Type of Service</b>	<b>Available/ Not Available</b>	<b>Comments</b>
Cardiology: ECG, HRV (Computerized), Hand-grip Dynamometer	Available	ECG used for Cardiac Function; Hand-grip used to check Muscle Strength
Pulmonology: Computerized Spirometry, PFT, Peak Flow Meter, BMR, etc	Available	—
Autonomic Function Tests	Available	—
Neurology: EEG, Nerve Conduction Studies, EMG, Evoked Potential Studies (P300), VEP, BERA, etc.	Available	EEG is used to check brain functions
Yoga Labor Clinic	Available	—
Other Special Diagnostic Facilities	Available	—