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List of Instruments

Department of Plant Breeding & Genetics

Sr. No.	Description of equipment	Model/Manufacturer
Biotechnology Lab		
1.	Microcentrifuge	Model: Sigma 1000
2.	Electrophrosis apparatus	Model: SCIE-PLAS, UK
3.	Electrophrosis apparatus (vertical)	Model: SCIE-PLAS, UK
4.	Electrophoresis power supply	Model: CONSORT, UK
5.	Microwave Oven	Model: Waves, Pakistan
6.	Refrigerator	Model: Dawlance, Pakistan
7.	Research microscope	Model: Labomed USA
8.	Steriozoom microscope	Model: Swift, Japan
9.	Incubator shaker	Model: Haidolph, Germany
10.	Hotplate magnetic stirrer	Model: Jenway, UK
11.	Vortex mixer	Model: IKA, Heiolph
12.	Centrifuge Refrigerated	Model: Eppendorf, Germany
13.	Microcentrifuge (Minispin)	Model: Eppendorf, Germany
14.	Tissue homogenizer	Model: IKA, Germany
15.	Mini-Gel electrophoresis (vertical)	Model: BioRad, USA
16.	Autoclave	Model: Sanyo, Japan
17.	Ice flake maker	Model: Hoshizaki, Japan
18.	Liquid nitrogen container	Model: Air liquide
19.	Chilling heat blocks	Model: Eppendorf, Germany
20.	Gel documentation system	Model: BioRad, USA
21.	Ultra-low temperature freezer	Model: Sanyo, Japan
22.	Plant growth chamber	Model: Sanyo, Japan
23.	Gene pulser X cell total system	Model: BioRad, USA
24.	Bio-safety cabinet	Model: NUAIRE, USA
25.	pH meter	Model: WTW 720
26.	Top loading balance	Model: Setra, USA
27.	Moisture Balance Precision	Model: Precisa, HA60
28.	Circulating water bath	Model: Irmeco, GmbH, Germany
29.	Microcentrifuge	Model: Sigma 1000
30.	Electrophrosis apparatus	Model: SCIE-PLAS, UK
31.	Electrophrosis apparatus (vertical)	Model: SCIE-PLAS, UK
Seed Physiology Lab		
1.	Microscope Built light	-
2.	Microscope	-
3.	Microscope	-

4.	Microscope	-
5.	Microscope	-
6.	Microscope	-
7.	Microscope	-
8.	Freeze Dryer	-
9.	Projector	-
10.	Deep freezer	-
11.	Osmometer	-
12.	Infrared thermometer	-
Genetic Transformation Laboratory		
1.	Autoclave (Sanyo Labo)	
2.	Electronic Balance	-
3.	Hybridization Chamber	-
4.	Incubator Shaker Series (New Brunswick Scientific Excella E24)	-
5.	Spectrophotometer	-
6.	Hot Air Oven	-
7.	Laminar Air Flow	-
8.	Microwave Oven	-
Molecular Plant Breeding Lab		
1.	Refrigerator	(Model: PEL, Pakistan)
2.	Microwave Oven	(Model: Dawlance, Pakistan)
3.	General Water bath	(SH-WB-11GDN)
4.	Analytical Balance	-
5.	Micro Centrifuge	(Model: SCIOLOGEXD 3024)
6.	Vortex Mixer	-
7.	Digital Magnet Hot Plate Stirrer	(Model: SCIOLOGEX MS7-H550S)
8.	Electrophoresis Apparatus	-
9.	Thermal Cycler	(Model: T100™,Bio-RAD,USA)
10.	EC Meter	(Model: GLP31+ CRISON, Japan)
11.	MICROSCOPE	-
Seed Science & Technology		
1.	Hectoliter Apparatus	-
2.	Seed Germinator Cabinet	-
3.	Digital Seed Counter	-
4.	LED Microscope	-
5.	Electric Grinder	-
6.	Portable Lamp	-
7.	Digital Scale	-

8.	Seed Working Bench	-
9.	Seed Sampler	-
10.	Autoclave	-
11.	Centrifuge Seed Divider	-
12.	Seed Air Cleaner	-
13.	Boerne Seed Divider	-
14.	Hot air Oven	-