

Instrument List

Postgraduate Institute of Fisheries Education and Research
Kamdhenu University, Rajpur (Nava) Himmatnagar

Soil and water Testing Laboratory	
1	UV-Vis spectrophotometer
2	Inverted phase contrast microscope (Plankton study)
3	Upright trinocular microscope (Plankton study)
4	Multi water parameter testing machine (reagent based)
5	pH meter
6	DO meter
7	Conductivity, TDS meter
8	Refractometer (Water salinity measurement)
9	Vacuum filtration unit
10	Refrigerator
11	Electronic weighing machine

Feed Formulation and Biochemistry Laboratory	
1	Automated protein analyzer assembly
2	Automated bomb calorimeter
3	Automated fat analyzer assembly
4	Automated fiber analyzer assembly
5	NIR analyzer (Automated proximate composition analysis)
6	Muffle furnace
7	Hot air oven
8	Moisture analyzer machine
9	Extruder (for fish feed preparation)
10	Cyclone mil
11	Mixer and grinder

Molecular biology Laboratory	
1	Multipurpose refrigerated centrifuge (different tube size-1.5, 2, 15 and 50 ml tube)
2	Real time PCR machine (rotor based)
3	Thermal cycler (With provision of gradient PCR)
4	Gel documentation unit
5	Microspectrophotometer (Nucleic acid quantification and quality check)
6	Incubator shaker (Refrigerated and non-refrigerated)
7	Shaking water bath
8	Water bath
9	Agarose gel electrophoresis assembly

10	PAGE assembly
11	Rocker
12	Spinwin, Vortex
13	Autoclave (Automated and Manual)
14	Water purification machine (Type2 and Type3)
15	Laminar flow chamber
16	-20°C deep freezer
17	Microwave oven
18	Tissue homogenizer (Lyzer based)
19	Electronic weighing machine (Lowest weight-20 mg)

Enzyme Analysis Laboratory	
1	ELISA reader
2	Washer
3	Spectrophotometer (Double beam)
4	Laminar flow chamber
5	Refrigerator



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