

Microbiology lab instruments

S. No	Name of equipment	Make	Model	Use
1	Laminar air flow	Envair Electrodyne	-	Contamination-sensitive processes that require aseptic conditions
2	Autoclave	Ambinova technologies	AMB-VAV-750E	To disinfect and sterilize media, instruments and lab ware
3	Incubator	Sonar	SR No. - 00045204	To provide the optimum temperature, humidity, and other conditions required for the growth of microorganisms
4	Shaker incubator	Remi Instruments	CIS-24-12/04 IHC-24 43	Shaking incubators continuously introduce dissolved oxygen into the culture medium, promoting aerobic bacterial growth
5	Hot air oven	Coslab	Model CLE-101	Uses dry heat to kill microorganisms
6	Colony counter	-	-	To estimate a liquid culture's density of microorganisms by counting individual colonies on an agar plate, slide, mini gel, or Petri dish
7	Weighing balance	AND	ADGR-200	To measure the weight of objects, particularly powdered agar and reagents
8	Monopan analytical balance, Macro	Modern	M/1PD	Calculates weights based on the force required to balance the mass of a sample
9	Magnetic stirrer	Remi Instruments	1MLH	Magnetic stirrers are devices used in laboratories to mix two or more components
10	Microscope	Digi3	Digi 3 1500	A microscope is an optical instrument used to magnify small objects that are not visible to the naked eye
11	Centrifuge	Remi Instruments	R-4C 3/89 CJLC-794	Separate suspensions or particulate matter in a liquid based on their different sedimentation properties or densities and to Isolate and purify cellular organelles and macromolecules
12	Water bath	-	-	To maintain a steady temperature for a prolonged time when incubating samples

