

**PIR MEHR ALI SHAH  
ARID AGRICULTURE UNIVERSITY RAWALPINDI  
INSTITUTE OF ANIMAL SCIENCES**

**List of Instruments**

<b>Sr. No.</b>	<b>Name of Instrument</b>	<b>Model/Manufacturer</b>
<b>Livestock Management Lab (Lab-1)</b>		
1.	Gerber Machine with roter for 8 butyrometer, 1350 rpm,	Model NOVA safety Funke, Gerber, Germany
2.	Hoof Trimmer kit local	local
3.	Grooming Tools (brush, combs, hair trimmer)	local
4.	Castrator (Burdizo)	local
5.	Bit and Bridle (Harness) leather made	local
6.	Milk churner & Separate Local	local
7.	Steel Utensils for ghee curd Khoa	
8.	Water Distillation,	Model 760700 Pobel, Spain, Europe
9.	pH meter,	Model 3100, Ohaius, USA
10.	Electrical Balance	OHAUS, USA Sr. (B 347024121)
11.	Incubator	<b>Germany Memmert</b>
12.	Projection Microscope	Model MX-4000 Meiji Japan with 29" TV Samsung
13.	Water bath	WNB-14 No. L411:0556
<b>Animal Nutrition and Feed Technology</b>		
1.	Regodigit oven	Type 219. S.No. PBI-59918.
2.	Oven Universal	Memmert Digital PiD, Model, UNB-400, Memmert, Germany. S.No C408.0578
3.	Water bath	10L, Digital, WNB10, Memmert germany
4.	Eppendorf Research Pipette	10-100ul (3111-000-149)
5.	Socorex Res. pipette	01-10 andd 10-100 ul
6.	Water Distillation Apparatus,	Au slan output, 4L/hr. IM-100 Imeco Germany
7.	Centrifuged Clinical	Labofuge-200 Sr. No. 40846802
8.	High Speed Refrigerated Centrifuge	20000rpm, with 2 rotors, Model Z36Hk Germany

9.	pH meter	Model PH 200L ISTEK, and PH-25, Crison
10.	Muffle Furnace	D-550, NEYTECH, USA
11.	Vortex mixture	VM-10, WITEG Germany, VM 10090228042
12.	Shaking water bath	WSB-30, WITEG Germany WSB30090309005
13.	Magnetic Stirrer	HI-190M,
14.	Spectrophotometer	PG, T-60m UV Visible with
15.	Flame photometer	Single Channel, 360, Shrewood, England
16.	MicroKjeldhals with distillation set	20 places, UDK-129, Velp Italy,
17.	Soxhlet apparatus	6 samples, with heating unit, 250 flask, Behr Germany
18.	Electric Grinder	Electric Grinder Labomil, Germany, Sr. 15200150
19.	Sieve Shaker & Sieves	Electro Maganatic Sieve shaker UNIEN 932-5,
20.	Oven Vaccum	TMOV. OV-70 with pump
21.	Fume Hood	Fume Hood, 3ft cabinet,
<b>Molecular &amp; Functional Genomics Lab</b>		
1.	Water Bath	-
2.	Vortex Mixer	-
3.	Centrifuge	Mod-D2012
4.	Micro Centrifuge	-
5.	Proplex 3x32 Well PCR System	-
6.	Agilent Statergene MX	3005p5
7.	Ice Flake Maker	Model -140
8.	Laminar Cabinet	Streamline
9.	Ultra-Low Freezer (Panasonic)	MDF-U332
10.	Refrigerated Centrifuge	18k/min, Z-326k
11.	High Speed Centrifuge	14k/min, Z-306
12.	Gel Documentation and Analysis System	Syngene
13.	Stirrer	PC-131, S#1190961
14.	Horizontal Gel Electrophoresis	Cat# MS Max125M/5 Cleaver UK
15.	Microwave Oven	Dawlance & Media
16.	Refrigerator	14 Cuft Dawlance 9188
17.	Orbital Shaker Incubator	-
18.	Milk Analyzers	Ultrasonic
19.	Gel Electrophoresis Equipment	S#MS140808 144
20.	Nanodrop	Mod-Q5000
21.	Incubator, Digital INB Series, 53L Memmert	Mod-INB-400 S# E411.0550

22.	Electronic Balance Digital Top Loading	Pioneer #B347024160
23.	pH Meter Digital-2 To 16 pH Range CRISON	S# Ex 93138
24.	Binocular Light Microscope	S# 818719,818762
25.	Oven, Universal	Memmert, Digital