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Community Health Sciences Department Labs

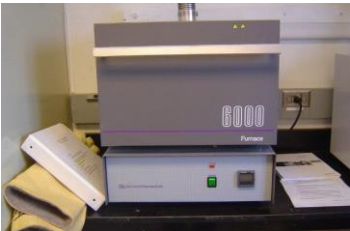
List of laboratory Equipment and usage (Male section)

No	Equipment	Picture	Application	Instrument Information
1	Automatic DNA Extraction System		➤ The greatest range of elution volumes from 20 to 250 μL. ➤ Improve the yield and overall purity of DNA isolated ➤ Provides high quality DNA, free of PCR inhibitors and suitable for downstream applications such as quantitative real-time PCR and short tandem repeat (STR) analysis Simple and fast separation of substrate from lysate with the unique PrepFiler LySep™ Column.	- Location\ G190 - Courses \ N.A. - Uses of the instrument\Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
2	Gas Chromatograph (GC)		➤ GC– Flame Ionization Detector is used to analyze and separate samples that do not decompose when vaporized. ➤ Analysis of Fatty acids ➤ Pollutants. ➤ Pharmaceuticals.	- Location\ G183 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\10 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

List of laboratory Equipment and usage (Male section)

No	Equipment	Picture	Application	Instrument Information
3	CentriVap DNA Vacuum Concentrators		➤ CentriVap DNA Vacuum Concentrators are designed to speed evaporation of solvents from DNA samples and other very small samples.	- Location\ G190 - Courses \ N.A. - Uses of the instrument/ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
4	UV Photospectrometer		➤ Spectroscopic analysis is commonly carried out in solutions, but solids and gases may also be studied Rotatory Evaporator: Extraction of Solvent.	- Location\ G183 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\10 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

List of laboratory Equipment and usage (Male section)

No	Equipment	Picture	Application	Instrument Information
5	Thermolyne Furnace 6000		➤ can be used in fields like Genetics, Proteomics, Cell biology and microbiology	- Location\G183 - Courses \ N.A. - Uses of the instrument/Research - Lab capacity\ 10 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
6	Elx 800 Absorbance Reader		➤ ELISA ➤ Kinetics ➤ Cell-based assays ➤ Cytotoxicity assays - Protein quantification	- Location\ G190 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\3 (2 not working) - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

List of laboratory Equipment and usage (Male section)

No	Equipment	Picture	Application	Instrument Information
7	BioTek's microplate Washer		➤ ELISA, ➤ Cell-based assays - microsphere-based assays.	- Location\ G190 - Courses \ N.A. - Uses of the instrument\ Education - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
8	Thermocycler		➤ Amplify DNA. - Facilitate other temperature-sensitive	- Location\ G190 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

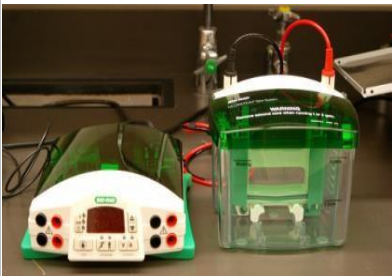
List of laboratory Equipment and usage (Male section)

No	Equipment	Picture	Application	Instrument Information
9	Misonix Sonicator 3000		➤ Ultrasonic Cell Disruptor with Temperature Control ➤ ultrasonication or ultra-sonication production of nanoparticles, like nanoemulsions, nanocrystals, liposomes, and wax emulsions	- Location\ G190 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
10	Western Blotting		➤ Molecular biology, ➤ Immunogenetics and Detect specific proteins in a sample of tissue homogenate or extract.	- Location\ G180 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\10 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

List of laboratory Equipment and usage (Male section)

No	Equipment	Picture	Application	Instrument Information
11	High Performance Liquid Chromatography (HPLC)		➤ Analysis and separation of samples contained in a liquid solvent phase. - Fields of research include medical, biological, chemical, biochemical, phytochemical.	- Location\ G190 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
12	Spectrophotometer		➤ Suitable for qualitative and quantitative analyses in ➤ Chemistry. ➤ Biochemistry. ➤ Molecular biology. ➤ Medicine.	- Location\ G190 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\2 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

List of laboratory Equipment and usage (Male section)

No	Equipment	Picture	Application	Instrument Information
13	SDS-PAGE		➤ Two-dimensional gel electrophoresis, abbreviated as 2-DE or 2-D electrophoresis, is a form of gel electrophoresis commonly used to analyze proteins	- Location\ G190 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
14	IPC-----Intrga XL-GBC		➤ Providing power, flexibility, and performance across each of the major fields of application, including: ➤ The petrochemical and pharmaceuticals industries ➤ Environmental monitoring, ➤ agriculture, biology, ➤ Metallurgy, ➤ Geology	- Location\ G190 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

List of laboratory Equipment and usage (Male section)

NO	Equipment	Picture	Application	Instrument Information
15	Centrifuges		➤ Liquid sample separation. ➤ Cell culture applications.	- Location\ G190 /G183 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\15/10 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
16	Bioelectrical Impedance Analysis	BC-418 Segmental Body Composition Analyzer 	➤ Measuring body composition	- Location\ CHS Clinics - Courses \ CHS (343, 265, 435, 369, 453) - Uses of the instrument: Education & Research - Lab capacity\8 - No. of instrument in the lab\2 - Instrument status\Good - Responsible : Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

List of laboratory Equipment and usage (Male section)

NO	Equipment	Picture	Application	Instrument Information
18	Lafayette Manual Muscle Test System		➤ Measuring muscle strength	- Location\ CHS Clinics - Courses \ CHS (343, 265, 435, 369, 453) - Uses of the instrument\ Education & Research - Lab capacity\8 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
19	Food models		➤ Diet counselling	- Location\ CHS Clinics - Courses \ CHS (343, 265, 435, 369, 453) - Uses of the instrument\ Education & Research - Lab capacity\8 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

List of laboratory Equipment and usage (Male section)

NO	Equipment	Picture	Application	Instrument Information
20	Culex® Automated Blood Sampling System		➤ Collect pharmacokinetic and pharmacodynamics data from rats, mice, and other small rodents. ➤ Automatically collects blood, bile, urine, feces, and dialysate.	- Location\ G186-2 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\4 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
21	CO₂ Incubator		➤ In vitro cell and tissue cultures. ➤ Mammalian cell research.	- Location\G180 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\10 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

List of laboratory Equipment and usage (Male section)

NO	Equipment	Picture	Application	Instrument Information
22	Phenomaster indirect calorimetry		➤ Measures both mice and rats, independently. ➤ Measures up to 24 animals simultaneously. ➤ Activity measurements via beam breaks. ➤ Measures food intake-pelleted diets only. ➤ Measures water/liquid intake. ➤ Food access- timed feeding, paired feedings, restricted feedings ➤ • All cages are enclosed in an environmental	- Location\ Animal House - Courses \ N.A. - Uses of the instrument\ Education - Lab capacity\8 - No. of instrument in the lab\4 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
23	Biosafety Cabinet		➤ Biological samples. Cell cultures.	- Location\ G180 - Courses \ N.A. - Uses of the instrument\ Education - Lab capacity\10 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

List of laboratory Equipment and usage (Male section)

NO	Equipment	Picture	Application	Instrument Information
24	Rotatory Evaporator		➤ Extraction of Solvent	- Location\ G183 - Courses \ N.A. - Uses of the instrument\ Research - Lab capacity\10 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
25	General biochemistry instruments		➤ General Biochemistry analysis	- Location\ G179 (teaching lab) - Courses \ CHS (264, 267) - Uses of the instrument\ Education - Lab capacity\10 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

List of laboratory Equipment and usage (Male section)

NO	Equipment	Picture	Application	Instrument Information
26	Indirect Calorimetry Quark		➤ Estimating resting energy expenditure & Respiratory ratio	- Location\ G184 - Courses/ CHS 215 - Uses of the instrument\ Research - Lab capacity\10 - No. of instrument in the lab\2 - Instrument status\Good - Responsible : Dr. Suhail Razak Email : (smarazi@ksu.edu.sa) Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)
17	JAMAR HYDRAULIC DYNAMOMETER		➤ Measuring hand grip strength	- Location\ CHS Clinics - Courses \ CHS (343, 265, 435, 369, 453) - Uses of the instrument\ Education & Research - Lab capacity\8 - No. of instrument in the lab\1 - Instrument status\Good - Responsible : Prof. Mahmoud Abulmeaty Email : (mabulmeaty@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
1	Fluorescent Microscopes		➤ Cell morphology. ➤ Biological tissue morphology.	- Location\ Floor 1, lab 37 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\ - No. of instrument in the lab\2 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
2	Microscope , Dual Head		➤ High optical performance and is the ideal platform for digital imaging.	- Location\ Floor 1, lab 37 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\ - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
3	Inverted Microscope (Leica)		➤ Observing living cells or organisms at the bottom of a large container (e.g., a tissue culture flask)	- Location\ Floor 1, lab 37 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
4	Binocular Microscope (OLYMPUS)		➤ makes any object appear larger than it actually is.	- Location\ Floor 1 ,lab 37 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\3 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
5	Microscope , Dissecting (OLYMPUS)		➤ Offer magnification from 0.5X to 2X. Users have a variety of observation choices all in a single microscope, ranging from 3.2X to 126X with 10x eyepieces.	- Location\ Floor 1, lab 37 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
6	Automated Cell Counter (BECKMAN COULTER)		➤ Quantifies cells in biological samples. ➤ Determines cell health	- Location\ Floor 1, lab 37 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\ Need maintenance. - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
7	Laminar Air Flow (By Logic / Labconco)		➤ Biological samples. ➤ Cell cultures.	-Location\ Floor 1 lab 37 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
8	Autoclave lina (W&H)		Suitable for the sterilization of samples and waste: ➤ Clinical. ➤ Biochemical. ➤ Medical. ➤ Environmental.	- Location\ Floor 1 lab 37 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
9	Deep Freezer, Vertical (Frimed)		➤ Freezing samples and other products	- Location\ Floor 1 lab 37 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Need maintenance. - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
10	Freezer , Ultra-low Uprighr (-80) (Panasonic)		➤ Freezing samples. ➤ Freezing other products.	- Location\ Floor 1 lab 37 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
11	Muse		➤ Cell Viability. ➤ Apoptosis. ➤ Autophagy. ➤ Oxidative stress. ➤ Cell signaling.	-Location\ Floor 1 , lab 37 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\ Need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
12	Nitrogen tank (Thermo)		➤ Liquid nitrogen is used to preserve whole blood and other biologicals, and as a coolant.	-Location\ Floor 1, lab 37 - Courses \ N.A - Uses of the instrument\ Research, - Lab capacity\15 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
13	Genetic Analyzer (Applied Bio systeme)		➤ De novo sequencing. ➤ Resequencing	-Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
14	Real--Time PCR (Applied Bio systeme)		➤ SNP Genotyping. ➤ Gene Expression Analysis. ➤ MicroRNA Expression.	Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
15	Nano Drop (THERMO)		➤ Nucleic acid concentration and purity. ➤ Protein concentration and purity.	- Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
16	Luminex Multiplex Ellsa Analyzer		➤ Suitable for genomic applications. ➤ Proteomic applications.	-Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
17	High-Performance Liquid Chromatography (HPLC) (Agilent Technologies)		➤ Pharmaceutical analyses. ➤ Food quality control. ➤ Clinical diagnosis tests. ➤ Environmental toxins.	-Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
18	Liquid Chromatography Mass Spectrometry (LC--MS) (Thermo)		➤ Pharmaceuticals. ➤ Food analysis. ➤ Peptides and proteins. ➤ Organic compounds.	-Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

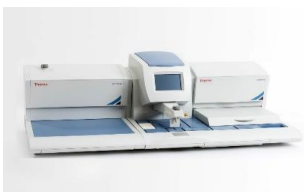
List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
19	Nitrogen 3G (Peak)		➤ The AB-3G has been designed to operate to the exact requirements of several SCIEX LC-MS systems.	- Location\ Floor 1, lab 29 - Courses \ N.A - Uses of the instrument\ Research, - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
20	Tissue Processor Automatic (Slee)		➤ Used to dehydrate the tissue and become ready to process	-Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
21	Automated Slide Stainer (Thermo)		➤ Used to stain the tissue sections	- Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Need maintenance - Responsible person Shaden ALShehayeb Email: (Salshehayeb@ksu.edu.sa)
22	Automated Glass Cover Slipper (Leica)		➤ Cells mounting media. ➤ including xylene-free varieties.	- Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Need maintenance - Responsible person Shaden ALShehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
23	Paraffin Embedding Workstation (Tissue Embedding Center) (Thermo)		➤ Embed routine tissue samples into paraffin blocks for microtome sectioning comfortably and efficiently with the Thermo ScientificTM HistoStarTM Embedding Workstation.	-Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALShehayeb Email: (Salshehayeb@ksu.edu.sa)
24	Freeze Dryer (Labconco)		Suitable for preserving heat--sensitive materials like ➤ Proteins. ➤ Microbes. ➤ Tissues. ➤ Plasma.	-Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALShehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
25	Cold centrifuge (Thermo)		➤ Run the sample at maximum speed with adjusting temperature	-Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
26	Titre Plate Shaker (Thermo scientific)		➤ It is used for mixing the contents of the wells in Micro titre plate. ➤ Used in combination with ELISA and for Multiplex readers.	Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
27	Automatic Microtome Knife Sharpener (Slee)		➤ Setting of cutting thickness from 0.5 μm to 60 μm in defined steps.	Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
28	Immersion Circulator (Thermo)		➤ for energy efficient with powerful pumping and heating capacities for closed loop applications.	- Location\ Floor 1 , lab 29 , - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
29	Washer , Multi , Reagent(Steris Corporation)		➤ Designed for the cleaning and intermediate-level disinfection of soiled reusable utensils, trays, glassware, rubber and plastic goods, simple hard-surfaced rigid surgical instruments (such as forceps and clamps) and other similar items found in healthcare facilities.	-Location\ Floor 1 , lab 29 , - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
30	Water bath flotation (Thermo Fisher Scintific)		➤ float paraffin ribbons, to stretch sections and remove wrinkles and folds before placing sections on slide	- Location\ Floor 1 , lab 29 , - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good -Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
31	Warmer , slide (Fisher)		➤ used to warm slides to a specified temperature for safe fixing, drying, and staining of samples.	- Location\ Floor 1 , lab 29 , - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
32	Mini plate Spinner (labnet)		➤ before and after thermal cycling to increase PCR yield.	- Location\ Floor 1 , lab 29 , - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
33	Oven Vacuum (She lab)		vacuum ovens provide exceptional capabilities for fast and gentle drying of heat sensitive materials. They prevent residue accumulation on products and also allow safe drying of materials at lower temperatures than typically required when using convection ovens.	-Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
34	Microplate Washer (Anthos)		➤ Used to control the procedure of washing experimental samples arranged in plate – based formats Washing, dispense, soak, aspirate liquids from plate	-Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
35	Microplate Reader (Anthos)		➤ Used to measure chemical, biological or physical reactions properties and analytes with in well of microplate	-Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
36	Elisa System (Complete) (Sfri)		➤ ELISA (enzyme-linked immunosorbent assay) is a plate-based assay technique designed for detecting and quantifying substances such as peptides, proteins, antibodies and hormone	-Location\ Floor 1 , lab 29 , lab 34 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab Lab 29 :1 Lab 34 :1 - Instrument status\ need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
37	Automated Blood Coagulator SDS Page (by BioRad)		➤ Measures the blood clotting mechanism of homeostasis. ➤ method for separation and analysis of macromolecules (DNA, RNA and proteins) and their fragments, based on their size and charge.	-Location\ Floor 1 , lab 34 - Courses \ N.A - Uses of the instrument\ Diagnose - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
38	Auto Chemistry Analyzer (Roche)		➤ Wide range of assays available that test various disease markers.	-Location\ Floor 1 , lab 34 - Courses \ N.A - Uses of the instrument\ Diagnose - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
39	Immunoassay System-Advia (Siemens)		➤ Plasma/serum and condition media	-Location\ Floor 1 , lab 34 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
40	Auto Blood Culture System (BD Diagnostics)		➤ Detection of organism growth in blood cultures.	-Location\ Floor 1 , lab 34 - Courses \ N.A - Uses of the instrument\ Diagnose - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALShehayeb Email: (Salshehayeb@ksu.edu.sa)
41	Blood Cell Counter (CBC) (SFRI)		➤ to look at overall health and find a wide range of conditions, including anemia, infection and leukemia. A complete blood count test measures the following: Red blood cells, which carry oxygen. White blood cells, which fight infection	-Location\ Floor 1 , lab 34 - Courses \ N.A - Uses of the instrument\ Diagnose - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Good - Responsible person Shaden ALShehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
42	Electrolyte Analyzer (SFRI)		➤ Basic electrolyte testing.	-Location\ Floor 1 , lab 34 - Courses \ N.A - Uses of the instrument\ Diagnose - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
43	-30 Freezer (THERMO)		➤ Freezing samples and other products	- Location\ Floor 1 , lab 29 , lab 28 - Courses \ N.A - Uses of the instrument\ Research - No. of instrument in the lab\ - Lab 28 : 1 - Lab 29 : 2 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
44	Refrigerator (Norlake)		➤ keep things cold	- Location\ Floor 1 lab 34 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
45	Reflotron (Roche)		Quantitative determination of parameters from whole blood, plasma or serum including: ➤ Liver and pancreas enzymes. ➤ Metabolites. ➤ Blood lipids. ➤ Hemoglobin.	-Location\ Floor 1 , lab 28 - Courses \ N.A - Uses of the instrument\ Education - Lab capacity\30 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
46	Sox Test (Raypa)		➤ determine crude fat or other components soluble in organic solvents . ➤ include the analysis of food	- Location\ Floor 1 , lab 28 , - Courses \ N.A - Uses of the instrument\ Education - Lab capacity\30 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
47	Fibre Test (Raypa)		➤ determination of Crude, Acid and Neutral fibre together with other fractions	- Location\ Floor 1 , lab 28 , - Courses \ N.A - Uses of the instrument\ Education - Lab capacity\30 - No. of instrument in the lab\1 - Instrument status\ need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
48	Oven , Drying & airCirculate (Sanyo)		➤ Drying or heating samples.	- Location\ Floor 1 , lab 34 - Courses \ N.A - Uses of the instrument\ Research - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALShehayeb Email: (Salshehayeb@ksu.edu.sa)
49	Hot air oven (MEMMERT)		➤ Drying or heating samples.	- Location\ Floor 1 , lab 28, lab 29 , lab 37 - Courses \ N.A - Uses of the instrument\ Research - No. of instrument in the lab\ - Lab 28 : 1 - Lab 29 : 1 - Lab 34 :1 - Instrument status\Good - Responsible person Shaden ALShehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
50	CO ₂ Incubator (SANYO)		➤ In vitro cell and tissue cultures. ➤ Mammalian cell research.	- Location\ Floor 1 , lab 28, lab 29 ,lab 34 , lab 37 - Courses \ N.A - Uses of the instrument\ Research - No. of instrument in the lab\ - Lab 28 : 1 - Lab 29 : 1 - Lab 34 :2 - Lab 37 : 3 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
51	Centrifuges , Universal(Hermle)		➤ Liquid sample separation. ➤ Cell culture applications.	- Location\ Floor 1 , lab 28, lab 29 ,lab 34 , lab 37 - Courses \ N.A - Uses of the instrument\ Research, Education - No. of instrument in the lab\ - Lab 28 : 4 - Lab 29 : 1 - Lab 34 :2 - Lab 37 : 2 - Instrument status\Good - Responsible person Shaden ALShehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
52	Spectrophotometer (THERMO)		Suitable for qualitative and quantitative analyses in ➤ Chemistry. ➤ Biochemistry. ➤ Molecular biology. ➤ Medicine.	- Location\ Floor 1 , lab 28, lab 29 , - Courses \ N.A - Uses of the instrument\ Research - No. of instrument in the lab\ Lab 28 : 5 Lab 29 : 1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
53	Spectrophotometer (BIOCHROM)		➤ measure the intensity of a light beam at a variety of different wavelengths. They are mainly used to capture and evaluate color and offer an easy way for manufacturers to ensure that the colors they are using meet their specifications and remain consistent	- Location\ Floor 1 , lab 28, - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\30 - No. of instrument in the lab\ 4 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
54	Refrigerator 12 Ft (Sanyo)		➤ keep things cold	- Location\ Floor 1 , lab 28, lab 29 ,lab 34 , lab 37 - Courses \ N.A - Uses of the instrument\ Research, Education - No. of instrument in the lab\ - Lab 28 : 1 - Lab 29 : 1 - Lab 34 :1 - Lab 37 : 1 - Instrument status\Good - Responsible person Shaden ALShehayeb Email: (Salshehayeb@ksu.edu.sa)
55	Refrigerator (Panasonic)		➤ keep things cold	- Location\ Floor 1 , lab 29 , - Courses \ N.A - Uses of the instrument\ Research, Education - Lab capacity\ - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALShehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
56	Freezer -30 (Biomedical) (Sanyo)		➤ Freezing samples and other products	-Location\ Floor 1 , , lab 34 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
57	Needle incinerator (Fisher)		➤ Used for disposal for the quarter of waste generated by healthcare establishments that can be considered hazardous, but less than half of this amount is currently disposed of through the incineration process.	- Location\ Floor 1 , lab 29 , lab 34 - Courses \ N.A - Uses of the instrument\ Research - No. of instrument in the lab\ Lab 29 :1 Lab 34 :1 - Instrument status\ Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
58	Mixer , Vortex , Touch (BIO COTE)		➤ used to suspend cells. In a biochemical or analytical laboratory they may be used to mix the reagents of an assay or to mix an experimental sample and a dilutant.	- Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
59	Mixer , Vortex , Touch (PRO)		➤ used to suspend cells. In a biochemical or analytical laboratory they may be used to mix the reagents of an assay or to mix an experimental sample and a dilutant.	- Location\ Floor 1 , lab 28, lab 34 , lab 37 - Courses \ N.A - Uses of the instrument\ Research, Education - No. of instrument in the lab\ - Lab 28 : 1 - Lab 34 :1 - Lab 37 :1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
60	Balance, Analytical , Precision (Mettler Toledo)		➤ Balance Digital Precision Scale With Weight 0.1mg, 2-point adjustment system.	-Location\ Floor 1 , lab 29 , lab 34 - Courses \ N.A - Uses of the instrument\ Research - No. of instrument in the lab\ Lab 29 :3 Lab 34 :2 - Instrument status\ Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
61	Basic Stirrer (Ju Tsann)		➤ agitate the liquid for speeding up the reactions or improving mixtures.	- Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\2 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
62	Weigh scale (Mettler Toledo)		➤ Balance Digital Precision Scale With Weight 0.1mg, 2-point adjustment system.	- Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
63	Balance (AND)		➤ to measure the weight or mass of an object to a very high degree of accuracy	- Location\ Floor 1 , lab 28 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\30 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
64	Spinner / Mini centrifuge (Fisher)		➤ Used for integrated shaking applications	- Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Research - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
65	Water bath (GFL)		➤ used for incubations and inactivation's of cultures, e. g. for warming bacteriological media, processing chemical reactions or thawing frozen samples	- Location\ Floor 1 , lab 28 , lab 34 , lab 37 - Courses \ N.A - Uses of the instrument\ Education, Research - No. of instrument in the lab\ Lab 28 :1 Lab 34 :1 Lab 37: 1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
66	Water bath (Mettmert)		➤ water bath is used for tempering samples, plates and nutrient solutions as well as for warm storage and calibration.	- Location\ Floor 1 , lab 28 - Courses \ N.A - Uses of the instrument\ Education - Lab capacity\30 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
67	Water bath (Wisdom)		➤ water bath is used for tempering samples, plates and nutrient solutions as well as for warm storage and calibration	- Location\ Floor 1 , lab 29 - Courses \ N.A - Uses of the instrument\ Education - Lab capacity\20 - No. of instrument in the lab\2 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
68	Milli-Q water (Millipore)		➤ water filtration process for producing highly purified water	- Location\ Floor 1 , lab 28, lab 29 , lab 34 - Courses \ N.A - Uses of the instrument\ Research,Education - No. of instrument in the lab\ Lab 28 : 1 Lab 29 : 1 Lab 34 :1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
69	Automatic water still (GFL)		➤ Instrument that produces and reserves distilled water automatically	-Location\ Floor 1 , lab 28, lab 29 - Courses \ N.A - Uses of the instrument\ Research, Education - No. of instrument in the lab\ Lab 28 : 1 Lab 29 : 1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
70	Magnetic Stirrer (IKA)		➤ Mixing liquids	- Location\ Floor 1 , lab 29 , lab 34 - Courses \ N.A - Uses of the instrument\ Research - No. of instrument in the lab\ Lab 29 : 1 Lab 34 : 1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
71	PH meter (Hanna Instruments)		➤ A scientific instrument that measures the hydrogen-ion activity in water-based solutions, indicating its acidity or alkalinity expressed as pH.	- Location\ Floor 1 , lab 28 , lab 34 - Courses \ N.A - Uses of the instrument\ Research, Education - No. of instrument in the lab\ Lab 28 : 1 Lab 34 : 1 - Instrument status\Need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

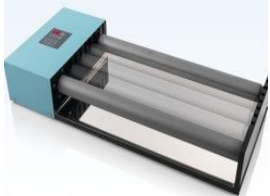
List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
72	SHAE3000-1CE Orbital Shaker (THERMO)		➤ Suitable for various applications in: 1- Diagnostic testing 2- Cell cultures. 3- Solubility studies. 4- General mixing application	- Location\ Floor 1, lab 34 - Courses \ N.A - Uses of the instrument\ Research, Education, Diagnose - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
73	Slide shaker (GFL)		➤ Used to mix, blend, or agitate substances in a tube or flask by shaking them	- Location\ Floor 1, lab 34 - Courses \ N.A - Uses of the instrument\ Research, - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
74	Rotary shaker		➤ mixing and development of cultures, chemicals, solvents, and assays etc	- Location\ Floor 1, lab 34 - Courses \ N.A - Uses of the instrument\ Research, - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
75	Hot plate (Labinco)		➤ Used to perform chemical reactions, to heat samples, and for numerous other activities.	- Location\ Floor 1, lab 34 - Courses \ N.A - Uses of the instrument\ Research, - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
76	Blood mixer		➤ Samples and cell suspensions	- Location\ Floor 1, lab 34 - Courses \ N.A - Uses of the instrument\ Research, - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Good - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
77	Ice makers (Brema) (Fisher Scientific)		➤ production of flake and flake ice for the chemical industry	- Location\ Floor 1, lab 34 - Courses \ N.A - Uses of the instrument\ Research, - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\ - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

List of Laboratory Equipment and Usage (Female section)

No	Equipment	Picture	Application	Instrument Information
78	Oven (Shandon)		➤ drying, material testing, curing, and heated storage.	- Location\ Floor 1, lab 34 - Courses \ N.A - Uses of the instrument\ Research, Education, Diagnose - Lab capacity\20 - No. of instrument in the lab\1 - Instrument status\Need maintenance - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)
79	Animal House Lab		➤ This lab is important in the use of animals ➤ in scientific research Animal experiments help scientists understand ➤ diseases that afflict animals and humans	- Location\ Floor LG, lab 33 - Courses \ N.A - Uses of the instrument\ Research, - Lab capacity\5 - No. of instrument in the lab\1 - Instrument status\Some devices need maintenance . - Responsible person Shaden ALshehayeb Email: (Salshehayeb@ksu.edu.sa)

Community Health Sciences Department

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The committee revised and gave their final approval to this manual.