

1.1 Chemicals used for microbiology

1	Barium chloride or barium chloride dihydrate	Colourless or white to off-white crystals or powder Catalogue: HiMedia GRM412-500G	500 grams
2	Sulphuric acid	99.9%	2 liters
3	2, 3, 5 - Triphenyl tetrazolium chloride	White to yellow crystals or powder Used for microbiology motility test Catalogue: HiMedia MB188-25G	100 grams (4 x 25 grams)

1.2 Agar medias used to culture microorganisms in microbiology

1	Urea (Molecular grade)	appearance White crystals or powder or granules or solid catalogue: Himedia MB032	500 grams
2	Tryptone\ (broth) medium	used for the detection of indole production by coliforms from clinical and non-clinical samples. Catalogue: Himedia M463	1 kg
3.	MR-VP (Glucose phostate broth)	Methyl Red and Voges-Proskauer tests in differentiation of the coli-aerogenes group from clinical and non-clinical samples. Catalogue Himedia M070	2 kg
4.	Luria bertani broth	For the cultivation and maintenance of recombinant strains of Escherichia coli and may be used for routine cultivation of not particularly fastidious microorganisms Catalogue: Hi-media LQ118	2 kg
5.	Motility medium S base	for easy detection of bacterial motility by means of TTC reduction Catalogue: Hi-media M514	1 kg
6.	Cystein lactose electrolyte deficient agar	for isolation, enumeration and presumptive identification of bacterial flora in the urinary tract. Catalogue: Hi-media M1146	2 kg
7.	Urease agar (christensen)	for the detection of urease production, particularly by Proteus vulgaris, Micrococci and paracolon organisms. Catalogue: Himedia M112S	02 kg

1.3 Kits, Reagents and filters, mask used in microbiology

1.	Syringe-driven Filters	PVDF hydrophilic membrane Pore size: 0.22 μ (microns) 25 mm diameter Sterile	50 nos
2.	Barrit reagent A (for VP test)	Voges-Proskauer test for detection of acetoin production by bacterial culture Catalogue: HiMedia R029	200ml
3.	Barrit reagent B (for VP test)	used in Voges-Proskauer test for detection of acetoin production by bacterial culture catalogue: HiMedia R030	200 ml
4.	Hicold stain TB kit-kit for myco bacteria	HiCold Stain TB- Kit is recommended for microscopic investigation of Mycobacterium by Cold Acid-Fast staining method (Kinyoun method) Catalogue: Hi-Media K062	2 kit

1.4 chemicals, reagents and kits used for biochemistry

	ITEM	DESCRIPTION	QUANTITY
1.	Isopropanol	Isopropanol is a polar organic solvent that is widely used in chemistry, biochemistry and molecular biology. Industrial applications include its use in antifreezes	100 ml
2.	Genomic DNA Extraction kit	for DNA extraction	02 kit
3.	Protein electrophoresis kit	for electrophoresis	05 kit
4.	Protein reagent with calibrator, and controls	to do protein test	02 kit
5.	Alkaline phosphatase reagent calibrator controls	-to do alkaline phosphatase test (determine quantity of alkaline phosphatase in serum or plasma in vitro)	02 kit
6.	Nitrophenol	Nitrophenols include two chemicals, 2-nitrophenol and 4-nitrophenol, used mainly coloring chemicals,	02 bottle
7.	Biuret Solution	Biuret Reagent is an aqueous solution of potassium sodium tartrate treated with cupric sulfate and sodium hydroxide. In the presence of peptide bonds (protein), this blue solution will change color to pink-purple.	02 bottle
8.	Glycine buffer solution PH4	to create wanted PH Environment	02 bottle
9.	Glycine buffer solution PH13	to create wanted PH Environment	02 bottle

10.	Glycine buffer solution PH6	to create wanted PH Environment	02 bottle
11.	Glycine buffer solution PH6	to create wanted PH Environment	02 bottle
12.	P-nitrophenyl phosphate	p-Nitrophenyl Phosphate (PNPP) is a non-proteinaceous, non-specific substrate used to assay protein, alkaline and acid phosphatases. ..The assay can be used for the quick analysis of the protein phosphatase activity under any non-standard conditions.	02 bottle
13.	Glycine buffer solution (0.1M)	Glycine is an intermediate in the synthesis of a variety of chemical products	02 bottle
14.	Albumin reagent with calibrator and controls	to do the albumin test	02 kit
15	Deionised water	It is used for less sensitive applications such as qualitative analyses, glassware rinsing, and water baths.	10 bottles

1.5 Solutions for physiology

1.	Adrenaline Solution	Strength: 1 mg/mL (1:1000) *Used for triple response test	04 liters
2.	Histamine solution	-Histamine dihydrochloride -Empirical Formula (Hill Notation) C ₅ H ₉ N ₃ · 2HCl -Molecular Weight 184.07 ->99.0% (AT) (1:10000) *Used for triple response test	04 liters
3.	Locke's solution	CaCl ₂ 0.24g KCl 0.42g NaHCO ₃ 0.1g NaCl 9.0g In 100ml distilled water *Locke's solution used for triple response test	04 liters