

# **DOW UNIVERSITY OF HEALTH SCIENCES, KARACHI**

## **TECHNICAL SPECIFICATION**

### **CHEMICALS/CONSUMABLES/KITS/REAGENTS**

<b>Item No.</b>	<b>Name of Goods, Technical Description, Specifications, and Standards</b>	<b>Accounting Unit / Packing</b>	<b>Estimated Quantity</b>
01	<b>24 hours Urine Bottle / Cane</b> (Use in Lab for Collect 24 Urine with Measurement label)	No's	1500 Nos.
02	<b>Abbott Real Time HBV or Similar</b> (IVD, CE Marked)	Kit of 96 Tests	5 Kits
03	<b>Abbott Real Time HCV Genotype Assay or Similar</b> (IVD, CE Marked)	Kit of 25 Tests	1 Kit
04	<b>Abbott Real Time HCV Viral Load Assay or Similar</b> (IVD, CE Marked)	Kit of 96 Tests	5 Kits
05	<b>Abbott Real Time HIV or Similar</b> (IVD, CE Marked)	Kit of 96 Tests	5 Kits
06	<b>Aerosol Barrier Self Sealing Sterile / Racked Tips (01-10 ul) Compatible Pipette Tips</b> (Aerosol Resistant Tip with Self Sealing Barrier, 10ul Extended Tip – MicroPoint Design and 2ul reference mark, Racked, pre-sterilized, 96 tips/tray, 10 trays/pack Certified RNase, DNase, ATP, and Pyrogen free by an independent lab.)	Pack of 100	50 Packs
07	<b>Aerosol Barrier Self Sealing Sterile / Racked Tips (10-100 ul) Compatible Pipette Tips</b> (Aerosol Resistant Tip with Self Sealing Barrier, Micro Point Design and 10, 50 & 100ul reference marks, Racked, pre-sterilized, 96 tips/tray, 10 trays/pack Certified RNase, DNase, ATP, and Pyrogen free by an independent lab.)	Pack of 100	50 Packs
08	<b>Alere Determine HBsAg</b> (To find out infection of Hepatitis B virus in the Patient)	Kit of 96 Tests	42 Kits
09	<b>Alere Determine HIV – ½</b> (Purpose to Detect the infection if HIV virus in the Human immune System)	Kit of 96 Tests	42 Kits
10	<b>Alere Determine Syphilis TP</b> (To Assess whether or not any patient have infection of Syphilis a sexually transmitted Diseases)	Kit of 96 Tests	42 Kits
11	<b>Ana Profile Kit</b> (Rat, Liver & Stomach Kit)	Kit of 250 Tests	30 Kits
12	<b>ART 1000 Reach Pipette Tips (01 ul to 1000 ul)</b> (Aerosol Resistant Tip with Self Sealing Barrier, SoftFit Design & MicroPoint Design (fits easily on most 1ml pipettes), Racked, pre-sterilized, 100 tips/tray, 8 trays/pack, Certified RNase, DNase, ATP, and Pyrogen free by an	Pack of 3200 Tips	50 Packs

	independent lab, USA)		
13	<b>Autoclave Bottle 250ml</b> (For Media Preparation)	No's	40 Nos.
14	<b>Autoclave Bottle 500ml</b> (For Media Preparation)	No's	50 Nos.
15	<b>Autoclave Bottle 1000ml</b> (For Media Preparation)	No's	50 Nos.
16	<b>Basic Fuchsin</b> (For Staining)	Bottle of 100 Gram	20 Bottles
17	<b>Blood Bag Triple without set</b> (For Collection of Blood)	No's	5000 Nos.
18	<b>Blood Chamber</b> (For Transfusion)	No's	2 Nos
<b>Item No.</b>	<b>Name of Goods, Technical Description, Specifications, and Standards</b>	<b>Accounting Unit / Packing</b>	<b>Estimated Quantity</b>
19	<b>Blood Transfusion Set</b> (For Blood Transfusion)	No's	15000 Nos.
20	<b>Butterfly Needle 23-G</b> (Scalp vein Infusion Set)	No's	50000 Nos.
21	<b>C.Fas HBA1C</b> (Photometric)	Pack of 03x01ml	8 Packs
22	<b>C.Fas PAC</b> (Photometric)	Pack of 03x01ml	8 Packs
23	<b>Calibration Kit</b> (MGIT) or Similar	Kit of 100 Tests	5 Kits
24	<b>Cell Wash Solution / Acid Wash</b> (CLIA)	Bottle of 02x02 Liter	13 Bottles
25	<b>Coated Slides</b> (Poly-l-lysine / slinase coated)	Pack of 50	120 Packs
26	<b>Container Urine C/S</b> (For Lab Collection of Samples)	No's	75000 Nos.
27	<b>Container Urine D/R</b> (For Lab Collection of Samples)	No's	100000 Nos.
28	<b>Container Urine Stool D/R</b> (For Lab Collection of Samples)	No's	25000 Nos.
29	<b>Cotton Roll</b> (Non Chlorine Bleacher Cotton/Chemical Free / Dust Free)	No's	1300 Nos.
30	<b>Diluent Universal</b> (CLIA)	Bottle of 02x18ml	3 Bottles
31	<b>ESR Disposable Pipette</b> (To Manually perform ESR)	No's	3500 Nos.
32	<b>G6PD</b> (To Assess the Deficiency of G6PD in the patient specially newborn and Child)	Kit of 25 Tests	28 Kits

33	<b>Gloves Examination</b> (Small, Medium, Large) (Latex)	Box of 100	6000 Box
34	<b>Gloves Powder Free</b> (Small, Medium, Large) (Nitrile)	Box of 100	1200 Box
35	<b>Glucose-D</b> (Glucose, Calcium & Vitamin)	Box of 400 Gram	1000 Box
36	<b>Growth Supplement Kit</b> (MGIT) or Similar	Kit of 100 Test	10 Kits
37	<b>HDV Real Time PCR KIT with internal control Qualitative</b> (IVD, CE Marked)	Kit of 100 Test	1 Kit
38	<b>Hemolyzing Reagent</b> (CLIA)	Kit of 04x200ml	3 Kits
39	<b>Human Assayed Control Level 01</b> (Control For Reference Value)	Pack of 60ml	10 Packs
40	<b>Human Assayed Control Level 02</b> (Control For Reference Value)	Pack of 60ml	12 Packs
41	<b>Human Assayed Control Level 03</b> (Control For Reference Value)	Pack of 60ml	10 Packs
42	<b>Identification Kit</b> (MGIT) or Similar	Kit of 100 Tests	5 Kits
<b>Item No.</b>	<b>Name of Goods, Technical Description, Specifications, and Standards</b>	<b>Accounting Unit / Packing</b>	<b>Estimated Quantity</b>
43	<b>IV Chamber</b> (For use in Drip in Transfusion of 100 ml)	No's	2 Nos.
44	<b>Juster 01-100ul</b> (Fully Autoclavable, 5 Years Warranty, Advance Gear Mechanism for precision, Light Weight, Double Action Pipetting Button, Soft Touch Tip Ejection. 10, 100 & 1000 Tips Rack for Calibration Checks Reagent Reservoir)	No's	10 Nos.
45	<b>Juster 01-10ul</b> (Fully Autoclavable, 5 Years Warranty, Advance Gear Mechanism for precision, Light Weight, Double Action Pipetting Button, Soft Touch Tip Ejection. 10, 100 & 1000 Tips Rack for Calibration Checks Reagent Reservoir)	No's	20 Nos.
46	<b>Juster 100-1000ul</b> (Fully Autoclavable, 5 Years Warranty, Advance Gear Mechanism for precision, Light Weight, Double Action Pipetting Button, Soft Touch Tip Ejection. 10, 100 & 1000 Tips Rack for Calibration Checks Reagent Reservoir)	No's	20 Nos.
47	<b>Juster 20-200ul</b> (Fully Autoclavable, 5 Years Warranty, Advance Gear Mechanism for precision, Light Weight, Double Action Pipetting Button, Soft Touch Tip Ejection. 10, 100 & 1000 Tips Rack for Calibration Checks Reagent Reservoir)	No's	10 Nos.
48	<b>Kovac's Indol Reagent</b> (Bio Chemical Reagent)	Bottle of 100 Gram	30 Bottles

49	<b>Lense Cleaning Tissue</b> (For Cleaning of Microscopic Lense)	Pack of 100x150mm	20 Packs
50	<b>Malachite Green</b> (Bio Chemical Reagent)	Bottle of 100 Gram	10 Bottles
51	<b>MGIT 960 7 M broth tube</b> (MGIT) or Similar	Pack of 100	10 Packs
52	<b>MGIT 960 PZA DRUG KIT</b> (MGIT) or Similar	Kit of 100 Test	5 Kits
53	<b>MGIT PZA SUPPLEMENT KIT</b> (MGIT) or Similar	Kit of 100 Test	5 Kits
54	<b>MGIT SIRE KIT</b> (MGIT) or Similar	Kit of 100 Test	5 Kits
55	<b>Multi Panel 10 Parameters DOA</b> (ICT)	Kit of 20 Test	50 Kits
56	<b>Needle multi draw 21 gauge</b> (Tubes for Blood Collection)	Box of 100	2400 Box
57	<b>Parafin Wax</b> (Microscopy)	Pack of 2500gm	100 Packs
58	<b>Plastic Dropper</b> (For Collection of Serum)	Pack of 500	600 Packs
59	<b>Plastic staining racks</b> (Routine staining racks)	No's	24 Nos.
60	<b>Plastic staining set</b> (Routine staining set)	No's	2 Nos.
61	<b>Precinorm Protein Urine</b> (Photometric)	Kit of 04x03ml	5 Kits
62	<b>Pyodine (Solution 10% w/v</b> (Povidone-Iodine Topical Solution USP) 450 ml)	Bottle of 450ml	100 Bottles
63	<b>Reaction Rotor</b> (Photometric)	No's	2 Nos.
64	<b>Saniplast or Similar</b> (Antiseptic Pad)	Box of 100	5000 Box
<b>Item No.</b>	<b>Name of Goods, Technical Description, Specifications, and Standards</b>	<b>Accounting Unit / Packing</b>	<b>Estimated Quantity</b>
65	<b>Schiff's Reagent</b> (For Staining)	Bottle of 500ml	15 Bottles
66	<b>Slide Box 25 Slide</b> (Storage of Slide)	No's	250 Nos.
67	<b>Slide Box 50 Slide</b> (Storage of Slide)	No's	250 Nos.
68	<b>Slide Box 100 Slide</b> (Storage of Slide)	No's	250 Nos.
69	<b>Smart Cycler PCR tubes</b> (For Smart Cycler)	Pack of 100	500 Packs

70	<b>Surgical Blade (22-G)</b>	Pack of 100	120 Packs
71	<b>Syringe 1cc</b> (Insulin Syringe)	Pack of 100	50 Packs
72	<b>Sys Wash (CLIA)</b>	Kit of 500ml	24 Kits
73	<b>Top Black (ESR Tube)</b> (Tubes for Blood Collection)	Pack of 100	600 Packs
74	<b>Top Blue (Coagulation)</b> (Tubes for Blood Collection)	Pack of 100	300 Packs
75	<b>Top Gray (Sugar)</b> (Tubes for Blood Collection)	Pack of 100	1200 Packs
76	<b>Top Purple (EDTA)</b> (Tubes for Blood Collection)	Pack of 100	3000 Packs
77	<b>Top Yellow (Gel tube)</b> (Tube for Blood Collection)	Pack of 100	4500 Packs
78	<b>Tourniquet</b> (Easy Elastic Grip)	No's	1000 Nos.
79	<b>Urinary Protein Analysis</b> (Manually Kit)	Kit of 100 Test	24 Kits
80	<b>Xylocaine 2% Inj.</b> (Lignocaine HCL)	Box of 100	20 Box

## IMAGING FILMS

Item No.	Name of Goods, Technical Description, Specifications, and Standards	Accounting Unit / Packing	Estimated Quantity
81	IMAGING FILMS (08" X 10")	PER SHEET	72000 SHEETS
82	IMAGING FILMS (10" X 14")	PER SHEET	432000 SHEETS
83	IMAGING FILMS (14" X 17")	PER SHEET	720000 SHEETS

## RADIOLOGY ITEMS

Item No.	Name of Goods, Technical Description, Specifications, and Standards	Accounting Unit / Packing	Estimated Quantity
84	<b>Biopsy Needle 14/10-G</b> (Double Shoot Guillottine Needle)	No's	100 Nos.
85	<b>Biopsy Needle 14/15-G</b> (Double Shoot Guillottine Needle)	No's	150 Nos.
86	<b>Biopsy Needle 16/10-G</b> (Double Shoot Guillottine Needle)	No's	100 Nos.
87	<b>Biopsy Needle 16/15-G</b> (Double Shoot Guillottine Needle)	No's	200 Nos.
88	<b>Biopsy Needle 18/10-G</b> (Double Shoot Guillottine Needle)	No's	150 Nos.
89	<b>Biopsy Needle 18/15-G</b> (Double Shoot Guillottine Needle)	No's	250 Nos.
90	<b>Biopsy Needle 20/10-G</b> (Double Shoot Guillottine Needle)	No's	100 Nos.
91	<b>Biopsy Needle 20/15-G</b> (Double Shoot Guillottine Needle)	No's	200 Nos.
92	<b>Butterfly Needle 19-G</b> (Scalp vein Infusion Set)	No's	400 Nos.
93	<b>Butterfly Needle 20-G</b> (Scalp vein Infusion Set)	No's	800 Nos.
94	<b>Butterfly Needle 21-G</b> (Scalp vein Infusion Set)	No's	400 Nos.
95	<b>Butterfly Needle 22-G</b> (Scalp vein Infusion Set)	No's	3600 Nos.
96	<b>Butterfly Needle 24-G</b> (Scalp vein Infusion Set)	No's	300 Nos.
97	<b>Cannula 16-G</b> (I.v Catheter/Needle unit)	No's	250 Nos.

98	<b>Cannula 18-G</b> (I.v Catheter/Needle unit)	No's	350 Nos.
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<b>Item No.</b>	<b>Name of Goods, Technical Description, Specifications, and Standards</b>	<b>Accounting Unit / Packing</b>	<b>Estimated Quantity</b>
99	<b>Cannula 20-G</b> (I.v Catheter/Needle unit)	No's	9600 Nos.
100	<b>Cannula 22-G</b> (I.v Catheter/Needle unit)	No's	9600 Nos.
101	<b>Cannula 24-G</b> (I.v Catheter/Needle unit)	No's	400 Nos.
102	<b>Co-Axial Needle 13/10-14 G</b> (Introducer Needle)	No's	60 Nos.
103	<b>Co-Axial Needle 13/5-14 G</b> (Introducer Needle)	No's	60 Nos.
104	<b>Co-Axial Needle 14/05-16 G</b> (Introducer Needle)	No's	60 Nos.
105	<b>Co-Axial Needle 14/10-16 G</b> (Introducer Needle)	No's	60 Nos.
106	<b>Co-Axial Needle 16/05-18 G</b> (Introducer Needle)	No's	150 Nos.
107	<b>Co-Axial Needle 16/10-18 G</b> (Introducer Needle)	No's	150 Nos.
108	<b>Co-Axial Needle 18/05-20 G</b> (Introducer Needle)	No's	150 Nos.
109	<b>Co-Axial Needle 18/10-20 G</b> (Introducer Needle)	No's	150 Nos.
110	<b>Extension Tube / Pressure Line</b> (ET-02-1500ml)	Pack of 25	600 Packs
111	<b>EZ Powder</b> (Barium Sulphate for Suspension)	Bottle of 340 Gram	500 Bottles

112	<b>Gauze Pad</b> (10cm x 10 cm 8/10 Ply 100% Cotton)	Pack of 100	600 Packs
113	<b>High Pressure / Power Injector Syringe (Model:100101)</b> (1-200 ml syringe, 1-150 cm coiled low pressure connecting tube, 1-quick feel Tube)	No's	360 Nos.
114	<b>High Pressure / Power Injector Syringe (Model:100104)</b> (1-200 ml syringe, 1-150 cm coiled low pressure connecting tube, 1-J Wire-Connecting Tube quick feel Tube)	No's	500 Nos.

<b>Item No.</b>	<b>Name of Goods, Technical Description, Specifications, and Standards</b>	<b>Accounting Unit / Packing</b>	<b>Estimated Quantity</b>
115	<b>Sprit</b> (Rectified)	Bottle of 1000ml	200 Bottles
116	<b>Syringe 20-CC</b> (For Lab Collection of Luer Slip)	No's	6000 Nos.
117	<b>Syringe 50-CC</b> (For Lab Collection of Luer Slip)	No's	8000 Nos.
118	<b>Syringe 60-CC</b> (For Lab Collection of Luer Slip)	No's	500 Nos.
119	<b>Ultra Sound Roll</b> (Sony Type 01 Normal UPP-110S, 110mm) or Similar	No's	2000 Nos.