

List of Chemicals and Lab wares for DNA laboratory Head Office, Kolkata

List of Blood Collection and phenotype analysis Kit

1	Blood Specimen Collection - Venous Blood
2	BD Vacutainer® EDTATubes, (10ML)
3	BD Vacutainer® Plain Tubes, (10ML)
4	Vacutainer SST II Gel tube (8.5ml)
5	Vacutainer Multi Sample Needle
6	Vacutainer Needle Holder
7	Blood Lancets (Plastic)
8	Tourniquet
9	Syringe 5ml
10	Syringe needle for 5ml
11	ABO and Rh blood grouping antisera
12	Hemoglobin strips for Acon Mission HB
13	Glucose test strips for Accu-Chek

List of fine chemicals

1	Acrylamide for electrophoresis
2	Agarose, routine use LOW EEO
3	Ammonium persulfate for electrophoresis
4	Amonium Dihydrogen Phosphate (NH ₄ H ₂ PO ₄)
5	Betain hydrochloride
6	Bis-acrylamide (N,N'-Methylene-bis-acrylamide) for electrophoresis
7	Boric acid for electrophoresis
8	Bromophenol Blue
9	Chloroform
10	Citric acid anhydrous
11	Dimethyl sulfoxide (DMSO)
12	Dithiothreitol (DTT)
13	Ethanol/absolute alcohol
14	Ethidium Bromide
15	Ethylenediaminetetra acetic acid (EDTA) extra pure
16	Ethylenediaminetetra acetic acid (EDTA)-Na salt
17	Formaldehyde solution
18	Glacial acetic acid
19	Glycerol
20	Hydrochloric Acid (HCL) conc. (35%-38% GR)
21	Isoamyl alcohol / Amyl Alcohol (ISO)Purified
22	Magnesium Chloride (MgCl ₂) anhydrous
23	Magnesium chloride hexahydrate
24	2- Mercaptoethanol
25	Methanol
26	Nitric acid
27	Phenol Solution, equilibrated (Tris-saturated phenol pH 8.0)
28	Phosphoric acid
29	Potassium Chloride (KCL)
30	Proteinase-K
31	Silver nitrate
32	Sodium carbonate anhydrous
33	Sodium Chloride (NACL)
34	Sodium dihydrogen phosphate anhydrous (NaH ₂ PO ₄)
35	Sodium dodecyl Sulphate (SDS) / Sodium Lauryl Sulphate
36	Sodium Hydroxide pellets
37	Sodium hypo chlorite
38	Sodium per chlorate

39	sodium thio sulfate pentahydrate (hypo)
40	Sucrose
41	TEMED (N,N,N',N'-Tetramethylethylenediamine)
42	Trishydroxymethyleaminomethane (Trizma Base)
43	Triton X-100
44	Trizma hydrochloride (TRIS HCL)
45	Xylene cyanol FF

List of PCR Chemicals, DNA & RNA kits

1	DNA Ladders 100bp, 1kb
2	Taq DNA polymerase
3	Ampli Taq Gold DNA Polymerase
4	10X PCR reaction buffer containing Mg ⁺
5	10X PCR reaction buffer without Mg ⁺
6	High purity mgcl ₂ solution
7	dNTP set (4 separate vials of dATP, dGTP, dCTP, dTTP) 100mM
8	PCR ready master mix
9	PCR ready master mix with Dye included
10	Exonuclease I
11	Shrimp Alkaline Phosphatase
12	3M, sodium acetate buffer solution (molecular biology grade) of pH 5.2
13	Different Restriction enzymes(ex.EcoR I)
14	PCR cleanup kit
15	DNA isolation kit from blood and tissue
16	RNA isolation kit from cultured cells and tissue
17	DNA/RNA Sample protector for storage
18	RNA to cDNA conversion primer set
19	Real time SYBR Green Master mix
20	Real time Probe Master mix

Proprietary Chemical and Consumables

Sl.No	Instrument	Consumables	Suppliers
1	ABI 3730 DNA analyser	Sequencing Consumables	Patel Chem De drugs authorized dealer of Thermo Fisher Scientific
2	7500 Real Time PCR system	Real Time PCR Consumables	Patel Chem De drugs authorized dealer of Thermo Fisher Scientific
3	Variet-II for hemoglobin testing system (Bio-Rad)	Beta Thalassaemia Short Programme (500)	Bharat Scientific authorized dealer for Bio-Rad

List of Labwares

Glass Wares	
1	Wide Mouth Bottle 125ml
2	Wide Mouth Bottle 250ml
3	Wide Mouth Bottle 500ml
4	Wide Mouth Bottle 1000ml
5	Narrow Mouth Bottle 500ml
6	Narrow Mouth Bottle 1000ml
7	Carboy with Stopcock 10 Ltrs.
8	Carboy with Stopcock 20 Ltrs.
9	Wash Bottle with fixed dispensing nose (New Type)
10	Beakers 100ml
11	Beakers 500ml
12	Beakers 1000ml
13	Beakers 2000ml
14	Conical Flask 250ml
15	Measuring Cylinder 50ml
16	Measuring Cylinder 100ml
17	Measuring Cylinder 250ml
18	Measuring Cylinder 1000ml
Plastic wares	
19	Pipette Stand Vertical 28 places
20	Pipette Rack Horizontal 12 places
21	Handypette - Pipette Aid 10ml
22	Micro pipette Tip 0.1 to 10ul-34mm.
23	Micro pipette Tip 0.2 to 10ul
24	Micro pipette Tip 2 to 200ul
25	Micro pipette Tip 200 to 1000ul
26	Micro pipette Tip 1 to 5ml
27	Micro pipette filter Tip 0.1 to 10ul-40mm
28	Micro Tip Box-96 places 0.2ul to 10ul size
29	Micro Tip Box-96 places 2ul to 200ul size
30	Micro Tip Box-100 places 200ul to 1000ul size
31	Micro Centrifuge Tube 1.5 ml
32	Micro Centrifuge Tube 0.5 ml
33	Thin Walled PCR Tube with cap 0.2 ml
34	PCR Tube Rack-96 places 0.2ml size
35	96 well microplate (PCR Plate) 0.2ml size
36	48 well microplate (PCR Plate) 0.2ml size
37	Microseal film for PCR plates (self adhesive)

38	Copression Sealing mat for 96 well PCR plates
39	Cap Strips with 8 microwells for 0.2ml wells
40	Reversible Rack for 1.5 ml or 0.5 ml Tubes 96 wells
41	Rack for Micro Tube 1.5ml 24 places
42	Rack for Micro Tube 1.5ml 48 places
43	Centrifuge Tube Conical Bottom 15 sterile
44	Centrifuge Tube Conical Bottom 50 sterile
45	Universal Combi Rackfor 30, 20, 17and 12mm tubes
46	Test Tube Stand 20 places 20mm dia tubes
47	Float Rack 1.5ml 16 places
48	Cryo Box 1.8ml, 25 places
49	Cryo Cube Box 1.8ml 100 places
50	0 degree C Mini Cooler 1.5ml 12 places
51	-20 degree cooler 1.5ml 12 places
52	Spatula 150mm
53	Spatula 200mm
54	Pneumatic Trough
55	Laboratory Tray (320x260x100)
56	Glass Beakers, Low Form, with Graduation and Spout 100ml
57	Glass Beakers, Low Form, with Graduation and Spout250ml
58	Glass Beakers, Low Form, with Graduation and Spout 500ml
59	Glass Beakers, Low Form, with Graduation and Spout 1000ml
60	Glass Bottles, Graduated with PP Screw Cap 250ml
61	Glass Bottles, Graduated with PP Screw Cap 500ml
62	Glass Bottles, Graduated with PP Screw Cap 1000ml
63	Glass Flasks, Conical with Graduation 250ml
64	Glass Flasks, Conical with Graduation 500ml
65	Glass Flasks, Conical with Graduation 1000ml
66	Glass Flasks, Flat bottom round 1000ml
67	Pipettes, Clear Glass Graduated 5ml
68	Pipettes, Clear Glass Graduated 10ml
69	Kimwipes
70	Good quality tissue paper
71	Multi Channel Pippete 8 Channels 0.5-10ul
72	Multi Channel Pippete 8 Channels 5-50ul
73	Multi Channel Pippete 8 Channels 50-300ul
74	Reagent Reservoir 75ml pp
75	Purple Nitrile Gloves Small
76	Purple Nitrile Gloves Medium
77	Purple Nitrile Gloves Large