

RIMS CHEMICAL TENDER LIST

15-16

	Rapid Kits	Pack Size	Unit Rate	Rate/Test
1	Australia Antigen HBsAg Rapid Card			
2	Chikungunya Rapid Card			
3	Combistix 4parameter			
4	Dengu Kit IgG/IgM Rapid Card			
5	Diastrix 1 Parameter			
6	H.C.V. Rapid Card			
7	H.I.V. Rapid Card			
8	Malaria Antigen Rapid Card (PV, PF)			
9	Malaria Antibody Rapid Card (PV. PF)			
10	Pregnancy Rapid Card			
11	Toxo Kit Rapid Card			
12	Troponine I Rapid Card			
13	Syphlis Card			
14	Uristix 2 Parameter			
	Elisa Kits	Pack Size	Unit Rate	Rate/Test
1	T3 Elisa Kit			
2	T4 Elisa Kit			
3	TSH Elisa Kit			
4	LH Elisa Kit			
5	FSH Elisa Kit			
6	Prolactin Elisa Kit			
7	Testosterone Elisa kit			
8	Prostrate Specifid Antigen PSA Elisa kit			
9	Dengu Elisa Kit			
10	Chikungunya Elisa Kit			
11	H.I.V. Elisa Kit <i>4th Generation</i>			
12	H.C.V. Elisa Kit <i>4th Generation</i>			
13	Hbsag Elisa Kit. <i>4th Generation</i>			
	Biochemistry kits	Pack Size	Unit Rate	Rate/ML
1	Acid Phosphatase			
2	Albumin Kit			
3	Alkalin Phosphatase Kit			
4	ALT (SGPT)			
5	Amylase Kit			
6	AST (SGOT) Kit			
7	Bilirubin Kit			
8	Blood Urea			
9	Calcium Kit			
10	Chloride Reagent			
11	Cholesterol Kit			
12	CK-MB Kit			
13	CPK Kit			
14	Creatinine Kinase (CK) Kit			
15	Creatinine Kit			
16	GGPT			
17	Glucose Kit			

18	Glycocolated Hemoglobin Kit			
19	HDL Cholestrol Kit			
20	IRAN TIBC			
21	Iron Binding Kit			
22	Laboline Kit (Multidet)			
23	Lipoporotin (a) one Kit			
24	LDH Kit			
25	Micro albumin			
26	Na+&K+Standard Solution			
27	Quality Control for Clinical Chemistry			
28	Phosphorus Kit			
29	Serum Copper Kit			
30	Total Iron Kit			
31	Total Protein Kit			
32	Triglyceride Kit			
34	Urea Kit			
35	Uric Acid Kit			
	Serological kits	Pack Size	Unit Rate	Rate/Test
1	22% Bovine Albumin			
2	A.S.O. Kit			
3	Anti A1 Lectin			
4	Anti AB			
5	Anti -D			
6	Anti D IgG/IgM			
7	Anti H Lectin			
8	Anti Human Globin			
9	Anti-A			
10	Anti-AB Serum			
11	Anti-B			
12	Antigen R.P.R. Kit			
13	APTT Reagent			
14	Blood Grouping Reagents			
15	C-Reacting Protein (CRP)			
16	P.P.D. 10TU			
17	Prothrombin Time kit			
18	R.A. Test Latex			
19	Widal (Slide Method)			
	Antibiotic Disc	Pack Size	Unit Rate	Rate/Test
1	Amikacin (Antibiotic Disc)			
2	Amoxycillin (Antibiotic Disc)			
3	Ampicillin (Antibiotic Disc)			
4	Azithromycin (Antibiotic Disc)			
5	Bacitracin Disc			
6	Carbenicillin (Antibiotic Disc)			
7	Cefadroxil (Antibiotic Disc)			
8	Cefazoloin (Antibiotic Disc)			
9	Cefepime (Antibiotic Disc)			
10	Cefotaxime (Antibiotic Disc)			

11	Cefprozil (Antibiotic Disc)			
12	Ceftazidim (Antibiotic Disc)			
13	Cephalexin (Antibiotic Disc)			
14	Cepodoxime (Antibiotic Disc)			
15	Cholramphenicol (Antibiotic Disc)			
16	Ciprofloxacin (Antibiotic Disc)			
17	Clarithromycin (Antibiotic Disc)			
18	Cloxacillin (Antibiotic Disc)			
19	Co-trimoxagole (Antibiotic Disc)			
20	DCA Media			
21	Doxycyclin (Antibiotic Disc)			
22	Erythromycin (Antibiotic Disc)			
23	Gatifloxacin (Antibiotic Disc)			
24	Gentamicin (Antibiotic Disc)			
25	Imipenum (Antibiotic Disc)			
26	Levofloxacin (Antibiotic Disc)			
27	Lomefloxacin (Antibiotic Disc)			
28	MSA Media			
29	Nalidixic Acid (Antibiotic Disc)			
30	Netilmycin (Antibiotic Disc)			
31	Nitrofurantoin (Antibiotic Disc)			
32	Norfloxacin (Antibiotic Disc)			
33	Ofloxacin (Antibiotic Disc)			
34	Optochin Disc			
35	Pefloxacin (Antibiotic Disc)			
36	Piperacillin+Tazobactam (Antibiotic Disc)			
37	R.C.M. Media			
38	SIM Media			
39	Sparfloxacin (Antibiotic Disc)			
40	Streptomycin (Antibiotic Disc)			
41	Sultax (Cefoaximen+Sulbactam (Antibiotic Disc)			
42	T.S.I Media			
43	TCBS Media			
44	Tetracycline (Antibiotic Disc)			
45	Xtum (Ceftriaxone+Sulbactam (Antibiotic Disc)			
	Glass & Disposable Item	Pack Size	Unit Rate	Rate/Pic
1	Auto Pipett All Size Variable Volume			
2	Auto pipette fixed All Size volume			
3	Beaker 1000ml			
4	Beaker 100ml			
5	Beaker 250ml			
6	Beaker 500ml			
7	Beaker 50ml			
8	Blood Cell Counting Chamber			
9	Blood Collection Bags/Single/Paed/Doub/Tri/9ple/Sagon			
10	Blood Culture Bottle (Plain Vials)			
11	Blue Tips			
12	Bone narrow Aspiration Neddle No. 14,16			

13	Capillary Tube			
14	Centrifuge Tube 10ml			
15	Centrifuge Tube 15ml			
16	Concavity Slid (One Cavity)			
17	Concavity Slide (Two Cavity)			
18	Conical Flask 1000ml			
19	Conical Flask 100ml			
20	Conical Flask 250ml			
21	Conical Flask 500ml			
22	Conical Flask 50ml			
23	Culture Tube 10x100mm(Swab Stick)			
24	Disposable Plastics Syringe S 3ml			
25	Drop Bottle			
26	Droper			
27	E.S.R. Tube			
28	E.S.R.. Stand 6Tube			
29	EDTA Vial			
30	Fluoride Vial			
31	Glass Cover Slip 18x18mm			
32	Glass Cover Slip 22x22mm			
33	Glass Cover Slip 22x40mm			
34	Glass Cover Slip 22x60mm			
35	Glass Slide			
36	Graduated Pipettes of Different Capacity 0.1ml			
37	Graduated Pipettes of Different Capacity 0.2ml			
38	Graduated Pipettes of Different Capacity 0.5ml			
39	Graduated Pipettes of Different Capacity 10ml			
40	Graduated Pipettes of Different Capacity 1ml			
41	Graduated Pipettes of Different Capacity 2ml			
42	Graduated Pipettes of Different Capacity 5ml			
43	Haemocyto Meter			
44	Hardness Testing Kit (for Water Analysis)			
45	Hemoglobin Meter			
46	Hemoglobin Tube			
47	Maccartney Bottle			
48	Magnifine Glass 3"			
49	Margring Jars With Cover			
50	Measuring Cylinder 100ml			
51	Measuring Cylinder 250ml			
52	Micro Slide			
53	Neubauer Counting Chamber			
54	Pasteur Pipettes With Rubber Blubs			
55	Pastour Pipettes			
56	Petri Disc 4"			
57	Pipette Blb			
58	Plain Vial Glass			
59	Plain Vial Plastic			
60	R.B.C. Pippitte			

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61	Reagent bottle 100ml (Silicate with driper cap 100pcs)			
62	Round Bottom Flask			
63	Rubber Tubing 5/8" (1 Mts)			
64	Rurified Mercury			
65	Silver Allow			
66	Spirit Lamp			
67	Swab Stick			
68	Test Tube 12x100			
69	Test Tube 12x75			
70	Test Tube 15x150			
71	Test Tube Brush			
72	Test Tube Holder			
73	Test Tube Khan Tube 12x75			
74	Test Tube Rack 12 Tube			
75	Test Tube Rack 24 Tube			
76	Test Tube Rack 36 Tube			
77	Time Pack Reagent for Advia Cell Counter			
78	Tissue Paper Roll			
79	Tourniquet (Rubber) 1mts			
80	Urinometer			
81	Vacutainer Glass/EDTA			
82	Vacutainer Heprin			
83	Vacutainer oxofluride			
84	Vacutainer/Glass/Plain			
85	W.B.C. Pippitte			
86	wash Bottle 500ml			
87	Washing Brush 12"			
88	Washing Brush 6"			
89	Water Filter Papers 11 cm			
90	Wintrobes Tube			
91	X-Ray Developer			
92	X-Ray Fixer			
93	Yellow Tips			
	ABG & ELECTROLYTE KITS	Pack Size	Unit Rate	Rate/Test
1	BGA 3 (calibration Solution) (130ml)			
2	BGA 4 (Calibration Solution) (130 ml)			
3	CAL 3 (Calibration Solution) (150 ml)			
4	CAL 4 (Calibration Solution) (150 ml)			
5	Wash 2 (Rinsing Solution) (250 ml)			
6	PO2 Membrane shell			
7	PCO2 Membrane Shell			
8	Ref Membrane Shell			
9	K+ Membrane shell			
10	Ca++Memerance Shell			
11	C1 Membrane Shell			
12	Na+ Senser Casing			
13	PO2 fill Solution 20 ml Bottle			
14	Ref fill Solution 50 ml Bottle			

15	K+fill Solution 20 ml Bottle			
16	Ca++ fill Solution 20 ml Bottle			
17	C1 fill Solution 20 ml Bottle			
18	Na+fill Solution 20 ml Bottle			
19	Protein remover 100 ml			
20	Paper Roll (1 Pack)			
21	Set tubing for roller Pump (Reagent) 2 pcs			
22	Maintenance hit B121			
23	Thermol paper Roll			
24	C1 Solution			
25	C2 Solution			
26	C3 Solution			
27	Combitrol Plus 1			
28	Combitrol Plus 2			
29	Combitrol Plus 3			
30	CA++Memerance			
31	Caesin			
32	Cal-3 Ecolyte			
33	Cal-4 Ecolyte			
34	Power Pack Kit Reagent			
35	Priter Paper For Ecoyte			
	ELECTROPHORESIS KITS	Pack Size	Unit Rate	Rate/ML
1	Buffer for seroprotin Electrophoresis			
2	Sample Support Sera Card			
3	Cellulose Acetate Strip 25x130			
4	Cellulose Acetate Strip 57x130			
5	Buffer Solution hemoglobin			
6	Ponceu Red Staining Solution			
7	Destainer & Clearing Solution			
8	Sample Appicafor			
	Chemical List	Pack Size	Unit Rate	Rate/ML
1	0.55% Ortho pthaladehyde sol			
2	10% Potassium Hydroxide			
3	11% W/V Hydrogen Peroxide stabilized by 0.01% silver Nitrate			
4	2.45% W/V Glutaral Dedhde qith a powder activator completely free of surfactants			
5	20% KOH			
6	3.3Diaminobenxdine (Sigma D-8001)			
7	3.5 Dinitroben Zoic Acid			
8	90% Alchohal			
9	Absolute Alcohol			
10	Acetic Acid			
11	Acetic Acid Glacial			
12	Acetone			
13	Acid Orthophoaphoric			
14	Acrylic Cold Curve Liquid			
15	Acrylic Cold Curve Powder			

16	Activated Charcoal			
17	Adrenalin Hydrochloride			
18	Agar Powder			
19	Albert's Stain-A			
20	Albert's Stain-B			
21	Alcian Blue			
22	Alcohol Ethyl			
23	Alkian Blue			
24	Alpha Naphthyl Butyrate			
25	Aluminum Ammonium Sulphate			
26	Ammonium Citrate			
27	Ammonium Oxalate			
28	Ammonium Solution			
29	Ammonium Sulphate			
30	Amulgeum Pluger			
31	Aqua Winthapip			
32	Atropine			
33	Atropine Sulpher			
34	Barbitone			
35	Barium Carbonate			
36	Barium Chloride			
37	Basic Fuchsin			
38	Benedicts Solution			
39	Benzidine Powder			
40	Benzoic Acid			
41	Betaxolol 25% & 85%			
42	Bismark Brown Stain			
43	Boric Acid			
44	Bramathymol Blue			
45	Brillant Crysyl Blue			
46	Bromin Sample			
47	Bromo Cresol Green			
48	Bromo Phenol Blue			
49	Buffered Formal Acetone			
50	Calamine Powder			
51	Calcium Chloride			
52	Calcium Oxide			
53	Calcium Sulphate			
54	Carbol Fuschin			
55	Carbolic Acid			
56	Caustic Soda			
57	Cceto orcein powder			
58	Cedar Wood Oil			
59	Chloralose			
60	Chloriophenol Red			
61	Chloroform			
62	Cidex [Endomax]			
63	Citric Acid			

64	Copper Sulphate			
65	Creatinine Zinc Chloride			
66	Cresyl Blue Powder			
67	Crsyl blue Brilliant			
68	Crystallin Phenol Powder			
69	Crystalline Phenol			
70	Cylindrical Glass Tuebs for Column Chromatography			
71	Deionized Water			
72	Dental Cement			
73	Desicalor 9"x12"			
74	Detorinor			
75	Dettol			
76	Dichlorphenol Indophenols			
77	Diethylether of Ether Solvent			
78	Dimethyle Amino Bengaladehyde			
79	Dipotassium Hydrogen Phosphate			
80	Distillation appactub			
81	Distilled Water			
82	DPX			
83	E.D.T.A Powder			
84	E.S.R. Fluid 3.8%			
85	Elelay (Gel)			
86	Eosin			
87	Ethyl Acetate			
88	Extract Glycyarhiz Liquor			
89	Extract Glycyarhiza			
90	Fast Blue BB Salt (Sigma F-0250)			
91	Fast Gernet BGBC Salt			
92	Filter Paper 11cm			
93	Flit			
94	Fluoride Powder			
95	Fluroscein Stain			
96	For LAP			
97	For Myeloperoxidase			
98	For PAS			
99	Formaldehyde Solution 37-41%			
100	Formaline Tab			
101	Fructose			
102	FuchSION Acid			
103	G.V. powder			
104	Geimsa Powder			
105	Giemsa Stain			
106	Glacial Acetic Acid			
107	Glass Innomer Cement grade			
108	Glass Marking Pencil			
109	Glucose Powder			
110	Glucotyde Test Strip ??			
111	Gluterldehyde Solution			

112	Glycerine			
113	Glycolic Acid			
114	Gram Stain			
115	Grams Iodine			
116	Griess assay Reagent			
117	Haematoxyllin Powder			
118	hematoxylin Powder			
119	Hemo Dialysis Solution			
120	Hexa Zotized Parasanine			
121	Hexane			
122	Hydrated disodium hydrogen phophate			
123	Hydrochloric Acid Cone			
124	Hydrogen Peroxide			
125	Hydrogen peroxide 3%			
126	Hydrogen Peroxide Solution			
127	I.P.A			
128	Immune Stain			
129	Indicatter Phenol Red			
130	Iodine			
131	Iodine Apex			
132	Isopropyl Alcohol			
133	K+Memerance			
134	Ketamine HCL			
135	Kh2po4			
136	Kovacs Indole Reagent			
137	L+Memerance			
138	Lab Lemco			
139	Lactophenol Cotton Blue			
140	Leishman Stain			
141	Leishmen Powder			
142	Letnoproast 0.0005%			
143	Levobunolo 25% & 85%			
144	Light Grren			
145	Light Grren Stain			
146	Lipignscar			
147	Liquid Paraffin			
148	Liquor Ammonia			
149	Liquor Staychnin Hyurochloride			
150	Litmus Paper Red			
151	L-Naphthyl Acetate (Sigma N-8505)			
152	Lysine Decarboxylase Test			
153	Lysol			
154	Magnesium Chloride			
155	Magnesium Powder			
156	Magnesium Sulphate			
157	Malachite Green			
158	Maltose			
159	Manitol			

160	Mercuric Chloride			
161	Mercuric Sulphate			
162	Methanol			
163	Methy Acohol			
164	Methyl Green			
165	Methyl Red Indicator			
166	Methylane Blue			
167	Methylene chloride			
168	Methylene Violet			
169	Minthapip			
170	Molybdic Acid			
171	N/10 Hcl			
172	Nacl2			
173	Naphol As Phosphate Reagent (Sigma N-5625)			
174	Neutral Read			
175	Neutral Red (02%aq-so1N)			
176	Neutrophil Alkaline Phosphate			
177	Nigrosin Stain			
178	Nitrate Reduction Test			
179	Nitric Acid			
180	Non Specific Esterase kit			
181	Nuclear Fast Red			
182	O.toludine			
183	Odonil			
184	Ophyde [Endomax OPA]			
185	Orange G Stain			
186	Ornithine Dec Arbovylace Test Reagent			
187	Oxalate Powder			
188	Oxidase Ragents Powder			
189	P.H. Liquid Indicator			
190	Pap Smear Kit			
191	Paraffin Liquid			
192	Paraffin Wax			
193	Pararosanine (Sigma P-7632)			
194	Pentobarbitone Sodium			
195	Peptone			
196	Periodic Acid			
197	Petroleum Ether			
198	PH 10			
199	PH Indicator Paper			
200	Ph Paper			
201	Phenolphthalene			
202	Phenyl Hydrazine Hydrochloride			
203	Phenythy Drazide			
204	Picric Acid			
205	Pilocarpine 2% &4%			
206	Plate late Fluid			
207	Polly (Cement)			

208	Pot. Chloride			
209	Potassium Thiocyanate			
210	Potassium Aluminium Sulphate			
211	Potassium Dichromate			
212	Potassium Ferrocyanide			
213	Potassium Iodine			
214	Potassium Metabisulphite			
215	Potassium Nitrate			
216	Potassium Permanganate			
217	Potassium Tellurite			
218	Potassium Thiocyanate			
219	Potassium Alcohol Sulphate			
220	Powder Calamine			
221	Powder Lactose			
222	Powder Sodium Desoxycholate			
223	Powder Sucrose			
224	Powder Sulphur			
225	PSA Stain			
226	R.B.C. Fluid			
227	Reagent/Articles RODENT CONTROL			
228	Reference Membrane ✓			
229	Resorcinol			
230	Rubber Cork			
231	Safranin			
232	Salicylic Acid			
233	Salt			
234	Savlon			
235	Savlon Solution			
236	Schiff Reagent			
237	Silica Gel for column chromatography grade 60 - 120 Mesh size, Grade 100-200 Mesh size, Grade 230-400 Mesh size			
238	Silica Gel for Thin Layer Chromatography			
239	Silver Nitrate			
240	Silymarin			
241	Soda Lime			
242	Sodium			
243	Sodium Acetate			
244	Sodium Alphanaphthyl phosphate			
245	Sodium Bicarbonate			
246	Sodium Carbonate			
247	Sodium Chloride			
248	Sodium Citrate			
249	Sodium Citrate 3.8%			
250	Sodium Dihydrogen Phosphate			
251	Sodium Fluoride Powder			
252	Sodium Hydride			
253	Sodium Hypochloride			

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254	Sodium Nitrite			
255	Sodium Salicylate			
256	Sodium Sulphate			
257	Sodium Taroculate			
258	Sodium Thiosalphate			
259	Soidum Hydroxide			
260	Soidum Tauroclate			
261	Soidum Thiosulphate			
262	Sorensen's Phosphate Buffer PH 7.3			
263	Spirit Alcohol/Cpirit			
264	Spirit Methylated			
265	Spirit Rectified			
266	Staining Trough			
267	Stroptozotocin			
268	Sucrose			
269	Sudan Black B Powder			
270	Sulpher Powder			
271	Sulphosalioylic			
272	Sulphuric Acid			
273	Tartaric Acid			
274	T-Butyl Alcohol			
275	Tecpol			
276	Tetra Methyl Phenylene			
277	Thiopentone Sodium			
278	Thiouree			
279	Thymol Blue			
280	Timolol 0.25%/5%			
281	Tincture Benzoin			
282	Tincture Iodine			
283	Toluene			
284	Tri Sodium Citrate 3.8%			
285	Tri Sodium Citrate Solution			
286	Trichloroacetic Acid			
287	Triphicase Pepten			
288	Tripod Stain			
289	Tris Buffer			
290	V.P. Test Reagent			
291	W.B.C. Fluid			
292	Wash Solution-2			
293	WAX (Pathology+Physiotherapy)			
294	Whit Vessline			
295	Wire 2" Nichrome			
296	Xylene			
297	Zinc Oxiod			
298	Zinc Powder			

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	AU 480 MACHINE KITS	Pack Size	Unit Rate	Rate/ML/⌈.
1	Albumin BCG			
2	BIL-D			
3	BIL-Total			
4	Calcium-Arsenazo III			
5	Cholesterol HiCo			
6	Creatinine			
7	Creatinine Enzymatic			
8	Glucose HK			
9	Hba1c			
10	HDL-Cholesterol			
11	Phosphorus			
12	Total Protein			
13	Triglycerides			
14	UIBC			
15	Urea			
16	Uric Acid			
17	ACP			
18	ALP			
19	ALTL/SGPT			
20	Amylase			
21	Ferritin			
22	AST/SGOT			
23	Antitrypsin			
24	Acid Glycoprotein			
25	Anti-Streptolysin			
26	APO-A			
27	APO-B			
28	Beta-2 Macroglobulin			
29	C3			
30	C4			
31	Ceruloplasmin			
32	CRP-Latex			
33	CRP			
34	D-Dimer			
35	HBDH			
36	Haptoglobin			
37	IgA			
38	IgG			
39	IgM			
40	LPA			
41	Micro Albumin-CSF/Urine			
42	Myoglobin			

43	Pre-Albumin			
44	RF			
45	Total Protein-CSF/Urine			
46	Transferrin			
47	Carbamazepine			
48	Digoxin			
49	Digitoxin			
50	Gentamicin			
51	Paracetamol			
52	Phenobarbital			
53	Phenytoin			
54	Theophylline			
55	Valproic Acid			
56	Amphetamines			
57	Barbiturates			
58	Benzodiazepines			
59	Cocaine			
60	THC			
61	Wash Concentrate			
62	No Foam Reagent			
63	HDL-Cholesterol Calibrator			
64	LDL-Cholesterol Calibrator			
65	Bicarbonate Calibrator			
66	HDL-Cholesterol Calibrator			
67	Calibrator LDL (US)			
68	Urine Calibrator			
69	CRP Latex Normal Calibrator			
70	CRP Latex Highly Sensitive Calibrator			
71	RF Latex Calibrator			
72	Negative Calibrator DAU			
73	Digitoxin (TDM Calibrator)			
74	MultiCalibrator Antibiotic TDM			
75	CK-MB Calibrator			
76	MC CAL A (Mastercurve Calibrator A)			
77	APO Calibrator			
78	Serum Protein MultiCalibrator			
79	APO CAL 5 Point			
80	Serum Protein MultiCalibrator			
81	MicroAlbumin Calibrator			
82	Myoglobin Calibrator			
83	PreAlbumin Calibrator			
84	HbA1c Calibrator			
85	D-Dimer Calibrator			

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86	System Calibrator			
87	5L Wash Solution			
88	Cleaning Solution			
89	Au Consumables Kit			
90	Isopropyl Alcohol (I.P.A)			
91	Haematoxyllin Powder Stain			
92	Paraffin Wax			
93	Eosin			
94	Potassium Aluminum Sulphate			
95	HC1 Conc.			
96	Thymol			
97	Distilled Water			
98	Light green			
99	Bismasll Brown			
100	Orange "G"			
101	Glutaldehyde			
102	Normal Saline			
103	Phosphotungastic Acid			
104	Estrogen Receptor			
105	Progesterone Receptor			
106	Progesterone Receptor			
107	C-erb2 oncoprotan Her-2			
108	CD3			
109	CD5			
110	CD15			
111	CD20			
112	CD30			
113	HMB45			
114	Pan Cytokeratin			
115	Desmin			
116	Novolinle Polymer			
117	Poly -L- Lysine Solution			
118	Tris Buffer GR			
119	Brillion Only Blue			
120	Sod. Metabi Sulphate			
121	Od. Tri Citrate			
122	Liquor Ammonia			
123	Hydrogen Peroxide			
124	Fouchets Reagent			
125	Erhlichs Aldehyde Reagent			
126	Liquid Paraffin			
127	Ceder Wood Oil			
128	EDTA Powder			

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129	Prothrombin Time			
130	Potassium Ferro Cyanide			
131	Schiff's Reagent			
132	Periodic Acid			
133	Basic Fuchsin			
134	Thionyl / Chloride			
135	Activator Chasuble			
136	Napthyl / Acetate			
137	Phosphate Buffer			
138	Napthol As Phosphate			
139	Parasailing Solution			
140	N-N- Dimity Formide			
141	Aq. Natural Red			
142	Fast Blue B.B			
143	NANO2			
144	Xylocane 2%			
145	Sodium Acetate			
146	Sodium Lycho Sulfite			
147	Potassium Nitrate			
148	Potassium Acetate			
149	Ethyl Alcohol 80%			
150	Ethanol Gel Based Hand Sanitizer With Moisturizer With PUMP Pack 500 ml / 250ML			
151	G.V.Lotion			
152	Estrogen Receptor			
153	Progesterone Receptor			
154	C-ERB2 Oncoprotien			
155	Alpha NapthylAcf To Ester "(Non Specific Pic Esterase)"			

"A.B.G. Item" Roche

- ① Maintenance mit B, 121
- 2. Thermal Paper Roll
- 3. C1 solution
- 4. C2 solution
- 5. C3 solution
- 6. pH Electrodes :-
- 7. PO2 Electrodes :-
- 8. PO2 Electrodes :-
- ⑨ N.A + Electrodes :-
- ⑩ H+ Electrodes :-

- ⑪ Ca - Roche - - - -
- ⑫ Cl - Roche ; - - -
- ⑬ Reference -> Roche - - -
- ⑭ M-com -> Roche - - -
- ⑮ combitol Plus-1 - - -
- ⑯ combitol Plus-2 - - -
- ⑰ combitol Plus-3 - - -
- ⑱ COAGULCHER - XS 2x24 Test - - -

10/6/14


✓

SPECIFICATION

1)

Liquid Reagent used for high level disinfection with 2.45% w/v Glutaraldehyde and MEC level of 1.5 % with a powder activator, completely free of surfactants. US FDA and EPA approved

2)

0.55% w/w Orthophthalaldehyde. US FDA and EPA approved. Fast Acting 5minutes

Liquid (1,2,benzenedicarboxaldehyde) cross linking with proteins and denatures it, with pH 7.2 -7.8 and water soluble with US FDA AND EPA approved and listed under TSCA

3)

Low foaming multi enzymatic detergent with protease, lipase, amylase adn cellulase to be used in Automated as well as manual reprocessing. This clear Blue enzymatic detergent with Sodium tetraborate decahydrate as cleanser should contain rust inhibitors and should have <0.1% ethylene glycol.

4)

1.155 Hp, 240V, 3.5 amp
High-shear, counter-rotating cyclonic design
35-50 ml/min
5 liters
Power head housing – aluminum epoxy coated
Tank – SS 316
Tubing - fuel and oil resistant silicon medical grade
Fittings – SS 304
Nozzle – Metlon 6
Dimensions - H x L x Dia: 49 x 47 x 22 cm
Shipping Weight - 6.8 kgs
Time keeping device attached with calibration of litres

5)

Sodium dichloro-isocyanurate tablets, pH at 10,000 ppm 6-7, surfactant free.

11% w/v Hydrogen Peroxide stabilized by 0.01% w/v Silver Nitrate solution formulated with a patented swiss technology.

6)

7.5% v/v Chlorhexidine Gluconate solution IP,15% w/v Cetrimide IP in a pleasantly fragrant liquid base.

7)

Stabilized 10% w/v Povidone Iodine Solution.Containing not less than 0.85% available iodine during the self life.

8)

7.5% w/v Povidone Iodine in viscous base containing an optimal blend of non-ionic and anionic surfactants.pH 4 - 5.4.

9)

0.5% w/v Chlorhexidine Gluconate in 70% v/v Ethyal Alcohol containing emollients and moisturizers.

10)

4% w/v Chlorhexidine Gluconate in non- ionic surfactant base containing emollients and moisturizers,pH 5-6.

Handwritten signatures and initials at the bottom of the page.

A.S. 10

<u>Products</u>	<u>SPECIFICATION</u>
CIDEX - 2.4% GTA	Liquid Reagent used for high level disinfection with 2.45% w/v Glutaraldehyde and MEC level of 1.5 % with a powder activator, completely free of surfactants. US FDA and EPA approved
CIDEX OPA 5 LTR	0.55% w/w Orthophthalaldehyde. US FDA and EPA approved. Fast Acting 5minutes Liquid (1,2,benzenedicarboxaldehyde) cross linking with proteins and denatures it, with pH 7.2 -7.8 and water soluble with US FDA AND EPA approved and listed under TSCA
CIDEZYME XTRA - 1 gallon(3.8 Liters)	Low foaming multi enzymatic detergent with protease, lipase, amylase adn cellulase to be used in Automated as well as manual reprocessing. This clear Blue enzymatic detergent with Sodium tetraborate decahydrate as cleanser should contain rust inhibitors and should have <0.1% ethylene glycol.
FOGGER MACHINE	1.155 Hp, 240V, 3.5 amp High-shear, counter-rotating cyclonic design 35-50 ml/min 5 liters Power head housing – aluminum epoxy coated Tank – SS 316 Tubing - fuel and oil resistant silicon medical grade Fittings – SS 304 Nozzle – Metlon 6 Dimensions - H x L x Dia: 49 x 47 x 22 cm Shipping Weight - 6.8 kgs Time keeping device attached with caliberation of litres
CLEAN - N -SEPT - 50 Tab/Bottle	Sodium dichloro-isocyanurate tablets, pH at 10,000 ppm 6-7, surfactant free.
ECOSHIELD 10 % Solution-1 Liter	11% w/v Hydrogen Peroxide stabilized by 0.01% w/v Silver Nitrate solution formulated with a patented swiss technology.
SAVLON HOSPITAL CONCENTRATE-Pack size-1Ltr & 5Ltr	7.5% v/v Chlorohexidine Gluconate solution IP,15% w/v Cetrimide IP in a pleasantly fragrant liquid base.
MICROSHIELD PVPS - Pack Size -500 ML	Stabilized 10% w/v Povidone Iodine Solution. Containing not less than 0.85% available iodine during the self life.
MICROSHIELD PVP -HAND WASH Pack Size -500 ML	7.5% w/v Povidone Iodine in viscous base containing an optimal blend of non-ionic and anionic surfactants.pH 4 - 5.4.
MICROSHIELD HANDRUB - Pack Size-500 ML	0.5% w/v Chlorhexidine Gluconate in 70% v/v Ethyal Alcohol containing emollients and moisturizers.
MICROSHIELD 4 - Pack size -500 ML	4% w/v Chlorhexidine Gluconate in non- ionic surfactant base containing emollients and moisturizers,pH 5-6.

To,

The Director
RIMS,
Ranchi, Jharkhand

MEMU No. 206 DATED 3/9/15
Microbiology Deptt. RIMS
RANCHI-9
Rohindra Ghajji (Chemical stores)
21/9/15
719

OFFICE FOR RIMS RANCHI

Receiving Date 3/9/15

20634

Sub: Reminder for the arrangement of purchase molecular and ELISA Kits in Dept of Microbiology.

Dear Sir,

This is to bring to your kind notice that in Dept of Microbiology soon molecular lab will be started. For the purpose we need to purchase the reagents (molecular reagents as well as arrangement of purchase of reagents and other consumables for converting Real Time PCR into open system to initiate swine flu diagnosis) for the molecular diagnosis as well we are to introduce many new parameters testing by ELISA kits (NIV Recommended).

Kindly arrange the earliest possible procurement for the enlisted reagents.

With Regards

Date: 3/9/15

Dr (Prof) N.P Sahu
Prof. and H.O.D.
Department of Microbiology,
RIMS, Ranchi.

21/9/2015
N.P. SAHU
Prof. & H.O.D. Dept. of Microbiology
RIMS, RANCHI

Molecular requirement specification:

1. DNA ladder

- Ready-to-use
- Concentration: 0.1 $\mu\text{g}/\mu\text{L}$.
- Designed for sizing and approximate quantification of wide range double-stranded DNA on agarose and polyacrylamide gels.
- The ladder should have fourteen chromatography-purified individual DNA fragments (in base pairs): 3000, 2000, 1500, 1200, 1000, 900, 800, 700, 600, 500, 400, 300, 200, 100.
- Two reference bands (1000 and 500 bp) for easy orientation.

2. Loading Dye

- 1 mL 6X DNA Loading Dye
- Storage at room temperature or at 4°C for periods up to 6 months and for longer periods store at -20°C.
- Direct loading on gel.
- Well-defined bands formed during agarose gel electrophoresis.
- No nucleases

3. Agarose:

- Type Type II
- Impurities $\leq 10\%$ moisture content
- EEO 0.16-0.19
- Transition temp congealing temperature 34.5-37.5 °C (1.5% gel)
- Gel strength $\geq 1000 \text{ g/cm}^2$ (1.0% gel)

- Concentration : 10 U/ μL
- Source :Purified Avian Myeloblastosis Virus particles.
- Storage Buffer
- 200mM potassium phosphate (pH 7.2 at 4°C), 0.2% Triton® X-100, 2mM DTT and 50% glycerol.
- Storage Conditions
- Store at -20°C .
- Unit Definition

One unit is defined as the amount of enzyme required to catalyze the transfer of 1nmol of dTTP into acid-insoluble form in 10 minutes at 37°C. The reaction conditions are: 50mM Tris-HCl (pH 8.3 at 25°C), 40mM KCl, 8.75mM MgCl_2 , 10mM DTT, 0.1mg/ml acetylated BSA, 1mM radiolabeled dTTP and 0.25mM poly(A):oligo(dT).

6. QIAamp DNA Blood Mini Kit

Feature	Specifications
• Applications	PCR, long-range PCR, Southern blotting
• Elution volume	50–200 μl
• Format	Spin column
• Main sample type	Whole blood, body fluids
• Processing	Manual (centrifugation or vacuum)
• Purification of total RNA, miRNA, poly A+ mRNA, DNA or protein	Genomic DNA, mitochondrial DNA, viral DNA
• Sample amount	1–200 μl
• Technology	Silica technology
• Time per run or per prep	20–40 minutes

- Auto ignition temp. 44 mmHg (25 °C)
- Expl. lim. 750 °F
- Refractive index 2 %
- BP *N20/D* 1.377(lit.)
- MP 82 °C (lit.)
- Density -89.5 °C (lit.)
- Suitability 0.785 g/mL at 25 °C(lit.)
- meets USP testing specifications

9. Platinum *Taq* DNA Polymerase

Specifications

General Specifications

- Polymerase: Platinum® *Taq* DNA Polymerase
- Hot Start: Built-In Hot Start
- Fidelity (vs. *Taq*): 1 X
- GC-Rich PCR Performance: Low
- Reaction Format: Separate Components
- Product Overhang: 3'-A
- Reaction Speed: Standard
- Final Product Size(s): 10 kb or less
- Product Size: 300 reactions

10.RNasin Ribonuclease Inhibitor

QC Tests

SDS-PAGE/purity, DNase, RNase, latent RNase, endonuclease.

Source

Human placenta

Storage Buffer

20mM HEPES-KOH (pH 7.6 at 4°C), 50mM KCl, 8mM DTT and 50% (v/v) glycerol.

Storage Conditions

Store at -20°C.

Unit Definition

One unit is defined as the amount of RNasin Ribonuclease Inhibitor required to inhibit the activity of 5ng of ribonuclease A by 50%. Activity is measured by the inhibition of hydrolysis of cytidine 2,3'-cyclic monophosphate by ribonuclease A.

11.Deoxynucleotide Triphosphates (dNTPs)

Storage Conditions

Store at -30°C to -10°C. Avoid exposure to frequent temperature changes.

For product intended use please see Patents & Disclaimers tab.

Transcriptome RNA

- Yield (up to): 8 mg
- Purification Time: 1 hr
- Number of Reactions: 100 Preps
- Isolation Technology: Organic Extraction
- Starting Material (Amount): 250 μ l to 1 ml liquid samples (suggested range; scalable)
- Shipping Condition: Room Temperature
- Regulatory Statement: For Research Use Only. Not for use in diagnostic procedures.

13. Water, nuclease-free

- Deionized and 0.22 μ m membrane-filtered nuclease-free water.

14. DNAZap™ PCR DNA Degradation Solutions

Specifications

General Specifications

- Reagent Type: DNA Decontamination Reagent
- Form: Liquid
- Product Size: 250 mL
- Shipping Condition: Room Temperature
- Regulatory Statement: For Research Use Only. Not for use in diagnostic procedures.

λ : 300 nm A_{\max} : ≤ 0.004

22. QIAamp Viral RNA Mini Kit

Feature	Specifications
Applications	PCR, qPCR, real-time PCR
Elution volume	50 μ l
Format	Spin columns
Main sample type	Liquid media
Processing	Manual (centrifugation or vacuum)
Purification of total RNA, miRNA, poly A+ mRNA, DNA or protein	Viral RNA
Sample amount	140 μ l
Technology	Silica technology
Time per run or per prep	20–40 minutes
Yield	>90% recovery

23. QIAquick Gel Extraction Kit

Feature	Specifications
Binding capacity	10 μ g
Elution volume	30–50 μ l
Format	Tube
Fragment size	70 bp – 10 kb
Processing	Manual
Recovery: oligonucleotides dsDNA	Recovery: dsDNA fragments
Removal <10mers 17–40mers dye terminator proteins	Removal <10mers
Sample type: applications	DNA: PCR reactions
Technology	Silica technology

phosphate (PO_4^{3-}): ≤ 1 mg/kg
 cation traces Al: ≤ 5 mg/kg
 Ba: ≤ 5 mg/kg
 Bi: ≤ 5 mg/kg
 Ca: ≤ 10 mg/kg
 Cd: ≤ 5 mg/kg
 Co: ≤ 5 mg/kg
 Cr: ≤ 5 mg/kg
 Cu: ≤ 5 mg/kg
 Fe: ≤ 5 mg/kg
 K: ≤ 200 mg/kg
 Li: ≤ 5 mg/kg
 Mg: ≤ 5 mg/kg
 Mn: ≤ 5 mg/kg
 Mo: ≤ 5 mg/kg
 Ni: ≤ 5 mg/kg
 Pb: ≤ 5 mg/kg
 Sr: ≤ 5 mg/kg
 Zn: ≤ 5 mg/kg
 λ 0.1 M in H_2O
 UV absorption λ : 260 nm A_{max} : 0.06
 λ : 280 nm A_{max} : 0.02

29. PCR Master mix

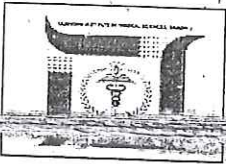
Specifications

Polymerase: AmpliTaq Gold® 360 DNA
 Polymerase

Hot Start: Built-In Hot Start

Fidelity (vs. Taq): 1 X

GC-Rich PCR
 Performance: High



DEPARTMENT OF MICROBIOLOGY

RAJENDRA INSTITUTE OF MEDICAL SCIENCES

Barhata, Ranchi-834009 (Jharkhand)

MEMO No. 176 DATED 29/7/15
Microbiology Deptt. RIMS
RANCHI-9

To,

The Director
RIMS,
Ranchi, Jharkhand

Sub: Reminder for the arrangement of urgent purchase of NIV recommended ELISA kits for testing.

Dear Sir,

This is to bring to your kind notice that in ICMR Grade II VRDL funded by ICMR had suggested to use the ELISA kits recommended by **National Institute of Virology**. As there are virology lab network running all over India it is advised by them to use the kits listed by them so that we could give same quality and standard of testing all over the country. In the last month an inspection was done by the ICMR officials Dr Chaturvedi and Dr Gadkari and had strictly told to use those kits.

Thus as discussed earlier with you I request you to kindly arrange the purchase for the enlisted kits at the earliest for the smooth running of the lab. Please do find the attached list and mail. Kindly do it at the earliest possible as we have lot work load (routine samples, outbreak samples) so the delay in purchase will hinder the work of the lab.

With Regards

Date: 29/7/2015

Dr (Prof) N P Sahu

Prof. and H.O.

Department of Microbiology,

RIMS, Ranchi.

29/7/2015
PROF. N P SAHU
HOD
ICMR VDL-II
Dept. of Microbiology
RIMS, Ranchi

176
29/7/15

"Recommendation of ELISA Kits for ICMR-VDLs"

Sl. No	Virus	Specimen	Assay	Kit-1	Kit-2	Comments	NIV
1	Hepatitis A	Serum	IgM ELISA	Immunovision USA	DRG Internatl USA	No or low X-reaction with HEV. If -ve, test for HEV	Hepavase/Axyme
2	Hepatitis E	Serum	IgM ELISA	MP Diagnosis	MBSSRL Milano, Italy	Low, X-reaction with HAV. If -ve, test for HAV IgM	MP diagnostics
3	Hepatitis B	Serum	HBsAg	J.Mitra and Co.Pvt.Ltd (WHO)	Bio-Rad, USA	Not for routine testing and service activity	Axyme /Abbot
4	Japanese encephalitis	CSF (preferred) / Serum	IgM ELISA	NIV kit	-	Can be obtained through NVBDCP	agree
5	West Nile	CSF / Serum	IgM	In Bios	PanBio	X-reaction with JE IgM. PCR recommended	Inbios shows high level of cross reactivity with JE. PanBio is well documented for false positivity. Focus is recommended
6	Dengue	Serum	IgM	NIV Kit	-	Can be obtained through NVBDCP	Agree
7	Dengue	Serum	NS1-Ag	Standard Diagnostics	Pan Bio	Acute sample within 5 days	PLATELIA (BioRad) is more sensitive
8	Chikungunya	Serum	IgM	NIV Kit	-	Can be obtained through NVBDCP	agree
9	Measles	Serum	IgM	Enzygnost			Agree
10	Mumps	Serum /CSF	IgM	Demeditec Supp by OSB	Novalisa / Novatech		
11	Rubella	Serum	IgM	Enzygnost			

12	Parvo B-19	Serum	IgM	Serion/Verion	Novatech		No comments
13	Vericella Zoster	Serum	IgM	Enzygnost	Demeditec		
14	Cytomegalo	Serum	IgM	Serion/Verion	Calbiotech, USA	based on NHS evaluation report	Suggested: PLATELIA (BioRad)/ EUROIMMUNE/ Serion/ vironostika (biomerieux) [NHS report 2009]
15	Rota	Stool	Antigen	Rotacclone, Italy	R. Biopharma		Agree
16	Adeno	Stool	Antigen	R. Biopharma	-		Low sensitivity. PCR recommended test
17	Astro	Stool	Antigen	R. Biopharma	-		
18	Noro	Stool	Antigen	R. Biopharma	-		
19	Hepatitis C	Serum	Total Ab	J.Mitra and Co.Pvt.Ltd	Bio-Rad, USA		Orthodiagnosics
20	Epstein-Barr	Serum	IgM	Demeditec	-		Avitex, Alexon [Clinical & vaccine Immunology, 20,13; 2013]
21	HSV (I & II)	Serum	IgM	Calbiotech			Serological test questionable. PCR recommended
22	Hepatitis Delta	Serum	Total Ab	DSI, SRI Italy		Only for HBsAg positives	General Biological Corpn, Taiwan may be included



DEPARTMENT OF MICROBIOLOGY

RAJENDRA INSTITUTE OF MEDICAL SCIENCES

Bariatu ,Ranchi-834009 (Jharkhand)

MEMO No. 201 DATED 11/8/15
Microbiology Deptt. RIMS
RANCHI-0

RIMS, Ranchi.

To,

The Director
RIMS, Ranchi
Jharkhand

Sub: Regarding release of Rs 1, 56,654/- for the Influenza (H1N1) diagnosis.

Dear Sir,

This is in reference to the conversation we had regarding swine flu diagnosis. As mentioned earlier that the presently installed Real time PCR machine Cobas Taqman 48 will be converted into open system for the purpose of swine flu /influenza diagnosis. The NCDC has also approved the instrument for the same.

A training for diagnosis or detection of swine flu will be conducted by the company Roche diagnostic for the same purpose. **Rs 1,56,654/- is required for fulfilling the purpose of converting the system into open system as well for the consumables required for the training .**The break up the expense required are as follows:

For covering into open system :

b. Lightmix universal color compensation Hexaplex : Rs 55,500

For training the kit has to be purchased

d. Realtime ready Influenza A/h1N1 Detection kit : Rs 56,092 /-

e. Realtime ready RNA virus master : Rs 18,562/-

f. Highpure Viral Nucliec acid kir : Rs 26,500/-


TOTAL

Rs 1,56,654 /-

Thus kindly allow for the sanction of. of Rs 1,56.654/- from the ICMR Grade II Virology fund..Please do find the attached Performa Invoice forwarded by the Roche diagnostic.

With Regards

Date: 11/8/15


Dr (Prof) N P Sahu

DR. N P SAHU
Professor & H.O.D.
RIMS, RANCHI
Department of Microbiology



Proforma Invoice

To
The Director
Rajendra Institute of Medical Science
Ranchi, Jharkhand

Sub: Proforma Invoice for H1N1 test
Date 10-08-2015

Kits required for H1N1 test in cobas TaqMan48

Srl No.	CAT No.	Kits	No of samples it can process	Amount(INR)
1	05640393001	Realtime ready Influenza A/H1N1 Detection Set	42	Rs. 56,092.50
2	11858874001	Highpure Viral Nucleic acid kit	50	Rs. 26,500.00
3	05619416001	Realtime ready RNA Virus Master	21	Rs. 18,562.50
4	40032000	lightmix universal color compensation Hexaplex	- One Kit	Rs. 55,500.00

N.B: Item number 1 to 3 are for H1N1 testing & per sample reportable cost is Rs. 2749/-

Item number 4 is used for filter calibration & its single time expense only

Terms & Conditions

Validity 60 days

Delivery With in 2 weeks from the date of receiving the confirmed order and payment & material will be supplied through Roche authorized distributor

Training Training will be given by Roche Application specialist

Tax VAT/ CST as applicable.

Authorized Signatory

Anupam Maity
Account Manager,
Roche Diagnostics India Pvt. Ltd.

ROCHE DIAGNOSTICS INDIA PVT. LTD.
CIN - U05195MH1900PTC141417

Regional Office :
4th Floor. C Block,
781, Anandapur
Kolkata - 700 107.

Tel. : +91 (33) 4015 3700
Fax: +91 (33) 4015 3701

Regd. Office :
501 B, Silver Utopia
Cardinal Gracious Road
Chakala, Andheri (East)
Mumbai - 400069

Tel. : +91 (22) 6697 4900
Fax: +91 (22) 6697 4909
www.roche-diagnostics.co.in

Recommendations for ELISA kits to be used by VDLs.

Inbox x

Dr.Nivedita Gupta <ngupta@icmr.org.in>

12/20/1
3

to arunviro, vijayachari, Amita, bhagirathidwib., drarvind.neral, drbhartimalhot., mrpillai, mrpillai, anukumar_b74, anukumar, kingvdl1, kingviro, me, drnpsahu, j.indugula, pradip_barde, drpradeep.das, biswaborkakoty, Biswa, drtapan1, ganeshiitkgp, mahendravega d, anilkanga, Dalip, radhagopalt

Sir/Madam

We thank you for assisting in developing recommendations for use of ELISA kits by VDLs. Please find attached the recommendations of NIV on ELISA kits, to be used by all VDLs.

With regards

Attachments area

Preview attachment NIV-Recommendation of Kits of VDL.doc

W

NIV-Recommendation of Kits of VDL.doc

N P Sahu <npsahu.11@gmail.com>

12/30/
13

to Dr.Nivedita

Dear Dr Nivedita,
thank you so much for the information..
regards

LIST OF CONSUMABLES REQUIREMENTS OF MOLECULAR LAB

Sl No	Items	Requirements	Specification
1.	Micropipette stand/holder	2 pcs	
2.	Autoclavable Polypropylene tips for micropipettes a.10-20µl b.200 µl, c.1000 µl	20,000 pcs each	positive displacement RNase free tips/Molecular Grade/High quality
3.	Plastic Discarding jar	30	small
4.	Plastic waste bin	20	Big
5.	Shoe cover	10000pcs	
6.	Hair cap	10000pcs	
7.	Cryobox	200 pcs	
8.	cryovials	50000 pcs	
9.	Plastic trays	4pcs	
10.	Falcon tube stands	2pcs	

	11. Thermometer	1 pcs	
	12. Plastic aprons	10000 pcs	front closed
	13. Tip boxes	20 pcs	
	14. K carriers tubes	20000 pcs	
	15. K carrier holder	2 pcs	
	16. Cryogloves	100 pcs	Suitable for use upto -80°C
	PCR tubes (a) 0.5 ml (b) 0.2 ml	10,000 each	Thin wall, autoclavable, RNase /DNase free, clear graduated conical bottom.
17	DNA ladder	10 vial	
18	Loading Dye	10 vial	
19	Agarose:		
20	AmpliTag DNA polymerase with Buffer II (1,000 units tube)	10 vial	

21	AMV Reverse Transcriptase		10 vial	
22	QIAamp DNA Blood Mini Kit		50	
23	DyeEx 2.0 Spin Kit		50	
24	Isopropryl Alcohol		50	
25	Platinum <i>Taq</i> DNA Polymerase		10	
26	QIA quick PCR Purification Kit		50	
27	RNasin Ribonuclease Inhibitor		50	
28	Deoxynucleotide Triphosphates (dNTPs)		25	
29	TRIzol LS Reagent		30	
30	Water, nuclease-free		30	
31	DNAZap™ PCR DNA Degradation Solutions			
32	RNase I		15	
33	Ehtidium Bromide Solution		10	
34	Magnesium Chloride Solution		40	
35	Tris HCl		40	
36	Bleach		10	
37	Glycerol		10	
38	Ethanol			Molecular Grade
39	QIAamp Viral RNA Mini Kit		50	

40	QIAquick Gel Extraction Kit	50	
41	Hi-Di™ Formamide	10	
			42
42	QiAmp Mini Column	50	
43	Hypophosphorous Acid (50%)	30	
44	Isopropanol	50	Molecular grade
44	Sodium Nitrite (powdered form)	10	
45	Sodium dodecyl sulphate	10	
46	Cryo vail 5ml,2ml,3ml	5000	
47	Cryo box 2ml ,3ml ,5ml	100pc	
48	S ST TUBE Serum separated tube 4ml,5ml,10ml(vacutainer)	200000	
49	N95mask	10000	
50	Vacutainer needle(multi sample needle 22G*1	10000	

Reagents for immunofluorescence Microscope

1. Monoclonal Mouse Anti-Epstein-Barr Virus, LMP Clone CS.1-4
2. Polyclonal Rabbit Anti- Herpes Simplex Virus Type 2
3. Polyclonal Rabbit Anti- Herpes Simplex Virus Type 1