

## Annual Procurement Plan for the Year 2021-22 Consumable List 2

<b>Chemicals, Rare Chemicals, Reagents &amp; Solvents</b>				
<b>Sl. No.</b>	<b>Generic Name</b>	<b>Specification</b>	<b>Quantity</b>	<b>Approx Cost (Rs.)</b>
1.	Heptane Sulphonic Acid Sodium Salt Anhydrous for HPLC, 99% 25g	25g	1	1000.0
2.	N,N,N,N-TetramethylEthylenediamine (TEMED) for molecular biology, 99.5% 100ml	100ml	1	1070.0
3.	Isopropanol (IPA) pure, 99% 25L	25l	1	13445
4.	Nonyl Acridine Orange (Acridine Orange 10-Nonyl Bromide) A1372 100mg	100 mg	1	10952.0
5.	DSP 50 mg	50mg	1	19000.0
6.	Cell culture flasks with vented cap 2 boxes	T25	2	24000.0
7.	Cell culture flasks with vented cap 2 boxes	T75	2	17500.0
8.	Glycerol	Mol Bio grade	5 litre	60000
9.	PMSF	Mol Bio grade	5 gms	5650
10.	Ethanol	Mol Bio grade	500ml*10	25000
11.	Acetic acid	Extra pure	2liters	1500
12.	Leishmanns stain	Extra	25liters	4000
13.	Formyl-Met-Leu-Phe	HPLC grade	50mg	25000
14.	8 azido ATP	Mol Bio grade	1 vial	30000
15.	Fluorescent tagged RNA	Mol Bio grade	2 sets	100000
16.	NaCl	Mol Bio grade	1kg	10000
17.	Malachite green	Mol Bio grade	25gm	6000
18.	DTT	Mol Bio grade	2gm*2	11000
19.	good-quality grade alcohol for RNA/DNA isolation	500ml	10	55000
20.	low quality ACS soln	500ml	10	5000
21.	good-quality grade alcohol for RNA/DNA isolation	500ml	10	55000
22.	low quality ACS soln	500ml	10	5000
23.	DPX Mounting reagent	500ml	2	800
24.	haematoxylin solution		1	1000
25.	good-quality grade alcohol for RNA/DNA isolation	500ml	5	25000
26.	low quality ACS soln	500ml	10	5000
27.	good-quality grade alcohol for RNA/DNA isolation	500ml	10	55000
28.	low quality ACS soln	500ml	10	5000
29.	Urea hydrogen peroxide	100gm	1	2500
30.	Diaminobenzidine tetrahydrochloride hydrate	5 gm	2	16000
31.	LB broth	Chemical	1 kg	Rs. 7000
32.	Ampicillin	Chemical	1 g	Rs. 10,000
33.	Agar	Chemical	1 kg	Rs. 3000
34.	Isopropanol	Solvent	5 bottles	Rs. 10,000
35.	Methanol	Solvent	5 bottles	Rs. 10,000
36.	Chloroform	Solvent	5 bottles	Rs. 5000
37.	Acrylamide	Chemical	1 kg	Rs. 7000

38.	Bisacrylamide	Chemical	250 g	Rs. 4000
39.	Reprobe solution	Chemical	5 bottles	Rs. 20000
40.	Luminol	Chemical	5 bottles	Rs. 20000
41.	Glycine	Chemical	5 bottles	Rs. 10,000
42.	Tris base	Chemical	5 bottles	Rs. 10,000
43.	MTT powder	Chemical	1g	Rs. 16,000
44.	Evans Blue	Dye	1g	Rs. 10,000
45.	Agarose	Chemical	1 kg	Rs. 10,000
46.	EtBr	Chemical	1 g	Rs. 5000
47.	Ponceau powder	Chemical	1 g	Rs. 10,000
48.	Bradford reagent	Chemical	1 litre	Rs. 10000
49.	Percoll	Solvent	1 kg	Rs. 30,000
50.	Bovine Serum Albumin	Chemical	1 g	Rs. 30,000
51.	Gold chloride		5 gms	40000
52.	Silver nitrate		25 gms	7000
53.	Palladium chloride		1 gms	9000
54.	Platinum chloride		1 gms	21000
55.	Poly(sodium L-styrene sulfonate)		5gm	4000
56.	Hamamelitannin		5mg	11000
57.	N-decanoyl L-Hamaserine lactone		10mg	14000
58.	N-hydroxysuccinimide (NHS)		100 gm	7000
59.	Toluidin blue		5 gm	4000
60.	Methylbenzenethiol		100 gm	4400
61.	PEG-Thiol		250 mg	12000
62.	PEG		500 gm	10000
63.	Poly(L-histidine)hydrochloride		10 mg	16000
64.	Fetal bovine serum		500ml	14000
65.	Dextrose Monohydrate		1 Kg	550
66.	Hepes Buffer		1 kg	9000
67.	Sodium bicarbonate		1kg	3100
68.	Hydroxylamine		50 ml	4000
69.	3,4-Dihydroxyhydrocinnamic acid		10 gm	5000
70.	3,4-dihydroxy hydrocinnamic acid and 1-ethyl-3-(3-dimethylaminopropyl)-carbodiimide hydrochloride (EDC)		5 gm	4500
71.	Sodium carbonate monohydrate		500gm	400
72.	Bovine serum albumin		25gm	3000
73.	Sodium chloride		1kg	2000

74.	Sodium borohydride		100gm	2000
75.	Tryptic soya agar		500gm	3500
76.	Diethyl ether		500ML	700
77.	Manganese sulphate		500GM	600
78.	Ethidium bromide		5G	2600
79.	Cupric bromide		100gm	2500
80.	4 dimethyl amino pyridine		25 gm	3000
81.	Carboxymethyl cellulose sodium salt		500gm	2000
82.	Ethylene glycol		2.5 L	2000
83.	Epichlorohydrin		500gm	3000
84.	Catechol		250gm	2500
85.	Triethanolamine/trolamine		1 L	1400
86.	N ndicyclohexylcarbodiimide (DCC)		100gm	2200
87.	D-mannitol		250gm	2000
88.	Glutaraldehyde 25% aq sol		500ml	1700
89.	N N methylene bisacrylamide		100gm	500
90.	Acrylamide electrophoresis,		100gm	3000
91.	Triethyleamine		500ml	3000
92.	Polyethylene glycol 400		250 gm	1500
93.	P-nitrophenylchloroformate		5 gm	3000
94.	Agar Powder		1 kg	2500
95.	Sodium carbonate		500 gms	500
96.	Phosphate buffer Saline (1X)		1 ltr	5000
97.	Acrylamide/Bisacrylamide 30% solution		100ml	6000
98.	Tris HCL		250 gm	5000
99.	Lithium bromide		250 gm	5000
100.	Trypsin		50 gm	10000
101.	Nutrient broth		1 kg	2500
102.	Muller Hinton broth		1 kg	3000
103.	Peptone		500gm	2280
104.	D-biotin		1 gm	2520
105.	Resazurin Sodium Salt		5 gm	9000
106.	Dopamine HCl		25 gm	8000

107.	Chloroacetic acid		100 gm	4000
108.	Cellulose		500 gm	600
109.	Glucose oxidase		10K units	3200
110.	Gelatin		500 gm	1500
111.	Acrylic acid		500 ml	700
112.	Red horseradish peroxidase/Peroxidase Assay Kit		1	45000
113.	Bacterial Viability Test Kit		1	45000
114.	Viability/Cytotoxicity Test Kit		1	45000
115.	DTT		2 gm	5000
116.	MTT		500 mg	9000
117.	NADH		5 g	13000
118.	NBT		250 mg	9000
119.	DNA extraction kits		1	18000
120.	RNA isolation Kits		1	42000
121.	Na <sup>+</sup> K <sup>+</sup> -ATPase assay kit		1	40000
122.	Ca <sup>2+</sup> Mg <sup>2+</sup> -ATPase assay kit		1	37000
123.	2-[6-amino-3-imino-3H-xanthen-9-yl]-benzoic acid methyl ester		1	40000
124.	Lipid peroxidation malondialdehyde (MDA) assay kit		1	42000
125.	Lipid peroxidation kit		1	39000
126.	Tunnel assay kit		1	60000
127.	cDNA Synthesis Kit		1	40000
128.	2',7'-Dichlorofluorescin diacetate		50 mg	5000
129.	RNA Isolation Reagents		1	43000
130.	DNAzol Reagent		1	40000
131.	FITC-BSA		1	20000
132.	2,2,6,6-tetramethylpiperidine-1-oxyl (TEMPOL)		1 gm	2000
133.	5,5-Dimethyl-1-pyrroline N-oxide (DMPO)		100 mg	10000
134.	Superoxide dismutase		15units	9000
135.	Hydrogen Peroxidase Assay kit		1	40000
136.	Nitrite/Nitrate Assay kit		1	45000
137.	CTAC		10gm	10100
138.	Griess reagent			9000

139.	LAL endotoxin assay kit		1	42000
140.	Columbia agar		100g	2500
141.	Anaerobic jar		1ea	12,000
142.	Horse blood		150ml	7,800
143.	Bolton Broth		500g	14000
144.	LDH activity		1kit	51,000
145.	Alkaline phosphatase activity		1kit	35000
146.	Bacterial Membrane Potential Kit		1 kit	31000
147.	DAF-2 DA		1mg	52000
148.	Dihydrorhodamine (DHR		2mg	10000
149.	Coumarinboronate		5mg	9500
150.	cytochalasin B		1mg	8500
151.	Trimethylammoniumdiphenylhexatriene		1g	6500
152.	Membrane Fluidity Assay		1 kit	43000
153.	Hydrogen peroxide solution		500ML	22616.04
154.	IRON(II) BROMIDE, 98%		10G	6388.11
155.	POTASSIUM HYDROGENSULFATE, REAGENT GRADE		500G	2937.06
156.	1-Piperidinepropionic acid		5 gm	7532.7
157.	3-Methoxypropanoic acid		5 gm	3766.35
158.	Sodium chlorofluoroacetate		5 gm	21341.25
159.	3-(Bromomethyl)pyridine hydrobromide		5 gm	4394.25
160.	3-(Trifluoromethyl)benzylamine		5 gm	1631.7
161.	(R)-1-Methoxypropan-2-amine, HCl		1 gm	22597.05
162.	2-Chloro-5-nitropyrimidin-4-amine		10gm	26362.98
163.	2,4,5-Trichloropyrimidine		25gm	3138.45
164.	3-Amino-2-fluoropyridine		1gm	2520
165.	3-Amino-2-methoxypyridine		5gm	3087
166.	3-Aminopicoline		5gm	1929.9
167.	GUANOSINE 5'-DIPHOSPHATE SODIUM TYPE I		100mg	10734.26
168.	Arbidol hydrochloride		10MG	11454.67
169.	Cyclohexanesulfonyl chloride, tech grade		5gm	10043.04
170.	4-tert-Butylbenzenesulfonyl chloride		25gm	2510.76
171.	4-Isopropylbenzenesulfonyl chloride		5gm	2510.76
172.	4-Ethylbenzenesulfonyl chloride		5gm	8787.66
173.	DMEM, 500ML		500ML	4635.68
174.	FBS- CERT- USA ORIGIN, 500ML		500ML	41516.9
175.	Methyl 4-formylbenzoate		100gm	5649.21
176.	6-Aminopicolinic acid		25gm	12051.65
177.	4-Amino-2,6-dichlorophenol		25gm	5021.52

178.	2,4-Dichlorobenzenesulfonyl chloride		25gm	6025.82
179.	3-bromo-4-methoxypyridine		5g	5774.75
180.	3-bromopyridazine		1g	8787.66
181.	4-Chloro-2-fluorobenzaldehyde		5g	1255.38
182.	4-Chloro-2-methylbenzaldehyde		5g	7532.28
183.	4-Chloro-3-methoxybenzaldehyde		5g	4519.37
184.	4-Chloro-2-methoxybenzaldehyde		1g	4393.83
185.	4-Chloro-3-fluorobenzaldehyde		5g	1883.07
186.	4-Chloro-3-methylbenzaldehyde		1g	10670.73
187.	4-Aminopyridazine		1 g	5021.52
188.	3-bromo-2-fluoropyridine		5g	2385.22
189.	2,3-Dihydro-1,4-benzodioxine-6-carbonitrile		5g	12553.8
190.	3-Chlorobenzylamin		5g	2510.76
191.	4-(n-Butyl)benzylamine		1g	6276.9
192.	4-Chlorobenzamide		5g	1380.92
193.	N-(4-Chlorobenzyl)-n-methylamine		1g	2510.76
194.	4-Fluorophenylacetyl chloride		25gm	3766.14
195.	3-Fluorobenzoyl chloride		25gm	4393.83
196.	4-(Trifluoroacetyl)benzoic acid		5gm	13809.18
197.	Quinoline-3-boronic acid		5gm	1883.07
198.	4-Methoxyphenylboronic acid		25gm	2510.76
199.	Adenine		25g	7532.28
200.	Benzenesulfonamide		25gm	1883.07
201.	4-(Trifluoromethyl)benzenesulfonamide		5gm	2510.76
202.	N-(3-Chloropropyl)piperidine hydrochloride		5gm	9631.65
203.	4-(3-Chloropropyl)morpholine, HCl		5gm	6174
204.	tert-Butyl 4-(2-chloroethyl)tetrahydropyrazine-1-carboxylate		5gm	16052.4
205.	1-(2-Chloroethyl)-4-methylpiperazine hydrochloride		1gm	5927.25
206.	Fmoc-Arg(Boc)2-OH		1gm	11925.9
207.	2-Aminonaphthalene		5gm	11047.05
208.	4'-Methoxyacetophenone		25gm	1,695.75
209.	2-Hydroxyisobutyric acid		25gm	2,693.25
210.	Glycolic acid		25gm	1,795.50
211.	Bromhexine Hydrochloride		25gm	2,992.50
212.	Ambroxol		25gm	14,763.00
213.	Losartan Potassium		5gm	8,179.50
214.	Olmesartan		100mg	6,483.75
215.	Telmisartan		1gm	6,284.25
216.	Colchicine		5gm	14,264.25
217.	1-Piperidineethanol		25gm	2,294.25
218.	2-Methoxyethylamine		25ml	11,172.00
219.	N-(Diphenylmethylene)glycine Ethyl Ester		25 gm	9,775.50
220.	Albendazole		5gm	2,094.75

221.	Caffeine		25 gm	1,995.00
222.	Ammonium Acetate		250 gm	1,496.25
223.	Polyethylene Glycol 400		25gm	1,496.25
224.	2-Methoxyethylamine		25ml	2,793.00
225.	Methyl Cellulose (3500-5600mPa·s, 2% in Water at 20°C		25gm	1,795.50
226.	Hydroxypropyl-β-cyclodextrin		25gm	8,877.75
227.	Tween 80 (=PolyoxyethyleneSorbitanMonooleate)		25gm	1,496.25
228.	Tween 20 (=PolyoxyethyleneSorbitanMonolaurate) [for Biochemical Research]		5gm	1,496.25
229.	1,2-Propanediol		500gm	1,496.25
230.	4-Chloro-3-fluorobenzylamine		1gm	4,788.00
231.	4-Chloroaniline		25gm	1,695.75
232.	2,4-Thiazolidinedione		25gm	3,092.25
233.	N,N-DimethylformamideDipropylAcetal [for Esterification]		25ml	13,765.50
234.	2-Chloro-4-nitrobenzoic Acid		25gm	4,389.00
235.	Bromomethyl)cyclohexane		25gm	9,177.00
236.	N-(Diphenylmethylene)glycine Ethyl Ester		5gm	3,990.00
237.	Polyethylene Glycol 400		25gm	2,992.50
238.	Tetrahydrofuran Anhydrous (stabilized with BHT)		500ml	9,177.00
239.	2-Fluorophenyl Isocyanate		25gm	22,244.25
240.	3-Fluorophenyl Isocyanate		5gm	7,880.25
241.	p-Tolylsocyanate		25gm	6,284.25
242.	Sodium Hydrosulfite		300gm	1,695.75
243.	(S)-(+)-1-Methyl-3-pyrrolidinol		10g	11923
244.	(R)-(-)-1-Methyl-3-pyrrolidinol		5g	12299
245.	3,5-dichlorobenzaldehyde		25g	4635
246.	2-chloro-4-(trifluoromethyl)benzaldehyde		5g	21335
247.	3-Chloro-4-(trifluoromethyl)benzaldehyde		5g	15060
248.	2,4-Dichlorobenzaldehyde		25g	5820
249.	4-Chloro-3-fluorobenzaldehyde		25g	3880
250.	3-Chloro-4-(trifluoromethoxy)benzaldehyde		5g	4885
251.	4-Chloro-3-methoxybenzaldehyde		25g	14,200.00
252.	5,6-Dichloronicotinaldehyde		1g	17,809.00
253.	2-Bromo-2',4'-dichloroacetophenone		10g	7,915.00
254.	3,4-Dichlorobenzaldehyde		25g	7,915.00
255.	4-Boc-aminopiperidine		25gm	

				4,970.00
256.	5-Nitropyridine-2-carbonitrile		10 g	14,200.00
257.	4-(Aminomethyl)-2-chloroaniline		1 g	5,917.00
258.	Methyl-(4-aminophenyl)acetate		5 g	2,958.00
259.	4-Chlorobenzenesulfonyl chloride		25g	2,369.00
260.	4-Chloro-3-nitrobenzenesulfonyl chloride		5g	1,775.00
261.	4-Chloro-3-nitrobenzaldehyde		5g	1,775.00
262.	6-Aminonicotinaldehyde		1g	10,532.00
263.	4-Aminobenzamidine Dihydrochloride		5 gm	5685.75
264.	Cholesterol (>99%)stabilized with alpha Tocopherol)		5 gm	16558.50
265.	2,3-Dichlorobenzaldehyde		25 gm	1995.00
266.	Stearic Acid		25 gm	1,496.25
267.	2-Hydroxybenzoic Acid [for Biochemical Research]		5 gm	1,496.25
268.	Propyl 4-Hydroxybenzoate [for Biochemical Research]		5 gm	1,496.25
269.	Methyl 4-Hydroxybenzoate [for Biochemical Research]		5 gm	1,496.25
270.	2-Aminobenzamide		100 gm	4,289.25
271.	Hydroxylamine Hydrochloride		25 gm	2,992.50
272.	2-Amino-2-methyl-1-propanol		500 mL	3,790.50
273.	4-Acetylbenzoic Acid		5 gm	7,581.00
274.	p-Toluoyl Chloride		100 gm	1,795.50
275.	4-Bromobenzyl Alcohol		25 gm	3,690.75
276.	Methyl 4-(Bromomethyl)benzoate		25 gm	6,284.25
277.	2-Amino-4-chlorophenol		25 gm	1,496.25
278.	2-Chloro-4-nitrobenzoic Acid		25 gm	2,194.50
279.	1,4-Benzoquinone		500 gm	13,665.75
280.	Acetyl Chloride		500 gm	4,089.75
281.	Triphosgene		25 gm	5,685.75
282.	$\beta$ -D-Ribofuranose 1-Acetate 2,3,5-Tribenzoate		25 gm	42294.00
283.	5-Bromoanthranilic Acid		25 gm	8,877.75
284.	4-Methoxybenzoyl Chloride		25 gm	2,593.50
285.	4-Fluorobenzoyl Chloride		25 gm	7,680.75
286.	4-Fluorobenzamide		25 gm	5,885.25
287.	4-Fluoroaniline		25 mL	2,892.75
288.	1-(2-Hydroxyethyl)pyrrole		1 gm	5,187.00
289.	1-Piperidineethanol		25 gm	2,294.25



290.	4-(2-Hydroxyethyl)morpholine		100 gm	2,194.50
291.	1-(2-Hydroxyethyl)pyrrolidine		25 mL	6,084.75
292.	4'-Methoxypropiophenone		25 gm	8,179.50
293.	4'-Methoxyphenacyl Bromid		25 gm	7,182.00
294.	Hexamethyleneimine		25 mL	1,496.25
295.	Raloxifene Hydrochloride		1 gm	9,775.50
296.	TrimethylsilylTrifluoromethanesulfonate		25 gm	18753.00
297.	p-anisidine		500 gm	9500.00
298.	IODOMETHANE, 99%, STAB. WITH COPPER 1KG		250 gm	12964.00
299.	Benzoyl Peroxide (wetted with ca. 25% Water)		100 gm	6800.00
300.	THIOPHENOL		1L	4500.00
301.	Dimethylamine (ca. 10% in Tetrahydrofuran, ca. 2mol/L)		500 mL	7400.00
302.	BROMINE > 99% puriss AR		250 mL	1800.00
303.	Formaldehyde Solution (37%) (stabilized with Methanol)		900 mL	5100.00
304.	4-Fluoroaniline		100 mL	11600.00
305.	Ethyl Acetoacetate		500 gm	2800.00
306.	Sodium thiophenolate		50 gm	15551.00
307.	Acrylonitrile		25 ml	1600
308.	4-Hydroxypiperidine, HCl		25 g	8487
309.	4-(DIMETHYLAMINO)PIPERIDINE		5g	8278
310.	tert-Butyl Methyl(4-piperidyl)carbamate		1g	15000
311.	[2-(4-Amino-phenyl)-ethyl]-carbamic acid tert-butyl ester		1g	5166
312.	tert-Butyl n-allylcarbamate		5 g	2829
313.	4-Nitrophenol	Sigma- 50g	1	1730
314.	RIPA	Solution	100 ml	Rs. 18,000

<b>Bio-Chemicals</b>				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	Albumin Bovine (pH 6-7) fraction V for molecular biology (Bovine Serum Albumin, BSA), 98% 100g	100g	1	9094.0
2.	Pierce™ ECL Plus Western Blotting	100ul	1	35148.0

	Substrate 32132 100 ml			
3.	native marker	100ul	1	31000.0
4.	Sucrose	Mol bio grade	10kgs	25000
5.	t-RNA	Mol bio grade	2 vials	12000
6.	GTP analogue	Mol bio grade	1 vial	40000
7.	ATP analogue	Mol bio grade	1 vial	28000
8.	Bovine serum albumin	Mol bio grade	25gm*10	30000
9.	Hydrolysable GTP	Mol bio grade	25mg*2	13500
10.	RPMI 1640 media	500ml	10	20000
11.	DMEM media	500ml	10	20000
12.	Sodium pyruvate media supplement	100ml	2	6000
13.	Anti-anti media supplement	100ml	2	6000
14.	PenStrep media supplement	100ml	2	6000
15.	L-Glutamine media supplement	100ml	2	6000
16.	Non-essential amino acids media supplement	100ml	2	6000
17.	Fetal bovine serum for cell culture	500ml	1	80000
18.	dispase cell culture grade	100mg	5	20000
19.	collagenase	1gm	2	16000
20.	DMSO cell culture grade	100ml	2	13000
21.	phosphate buffer saline pH 7.4, cell culture grade	20 litres	15	45000
22.	Sybr green + real time PCR plates	25ml	1	70000
23.	cDNA synthesis kit	200rxns	2	46000
24.	Nuclease-free water	1 litre	3	30000
25.	CFSE dye for proliferation	180 assays	2	50000
26.	Fluo-3AM dye	1mg	2	62000
27.	quanti-blue for reporter assay	5ml	3	69000
28.	pan ELISA for Human Interferon ELISA	20 plates	1	74000
29.	Mouse Insulin ELISA kit	96 wells	1	32000
30.	CL264 ligand	1mg	1	60000
31.	CL075 ligand	1mg	1	60000
32.	Human BDCA4-neutropilin 1 microbead	2ML	1	1,50,000
33.	Large-sized magnetic columns for positive selection	25 columns	1	46,000
34.	Medium-sized magnetic columns for positive selection	25 columns	1	30,000
35.				
36.	Recombinant Human IL2	10ug	1	9487.22
37.	Recombinant Murine IL2	20ug	1	23126.04
38.				
39.	SARS-CoV-IgG ELISA kit	96 wells	2	81900
40.	ANA ELISA Kit	96 wells	2	46000
41.	SARS-CoV-IgA ELISA kit	96 wells	2	100000
42.	SARS-CoV-IgM ELISA kit	96 wells	2	100000
43.	UPAR ELISA Kit	96 wells	1	70000
44.	Primary Cell Nucleofection Buffer	24 rxns	2	80000

45.	WWL70	10mg	1	31000
46.	TriZOL	200ml	4	44169
47.	Mouse CD4 microbead	2ml	2	180000
48.	Human CD4 microbead	2ml	2	180000
49.	Human CD8 microbead	2ml	2	180000
50.	Human CD14 microbead	2ml	2	200000
51.	Human CD19 microbead	2ml	2	200000
52.	CD4+CD25+ Regulatory T Cell Isolation Kit, mouse	1 kit	2	250000
53.	CD1c Human microbead	2ml	1	150000
54.	DOTAP transfection reagent	2ml	2	80000
55.	RPMI 1640 media	500ml	10	20000
56.	DMEM media	500ml	10	20000
57.	Sodium pyruvate media supplement	100ml	2	6000
58.	Anti-anti media supplement	100ml	2	6000
59.	PenStrep media supplement	100ml	2	6000
60.	L-Glutamine media supplement	100ml	2	6000
61.	Non-essential amino acids media supplement	100ml	2	6000
62.	Fetal bovine serum for cell culture	500ml	1	80000
63.	percoll for gradient centrifugation	500ml	1	54000
64.	M199 media	500ml	10	40000
65.	dispase cell culture grade	100mg	5	20000
66.	ITS media supplement	10ml	5	5000
67.	Trypsin-EDTA, cell culture	100ml	1	30000
68.	HiSep for gradient centrifugation	500ml	5	40000
69.	collagenase	1gm	2	16000
70.	Bovine serum albumin fraction V, cell culture grade	100gm	2	12000
71.	DMSO cell culture grade	100ml	2	13000
72.	phosphate buffer saline pH 7.4, cell culture grade	20 litres	15	45000
73.	Sybr green + real time PCR plates	25ml	1	70000
74.	cDNA synthesis kit	200rxns	2	46000
75.	Nuclease-free water	1 litre	3	30000
76.	TriZOL for RNA isolation	200ml	4	70000
77.	glycoblue for RNA	300ul	1	30000
78.	RNA later	100ml	2	30000
79.	DNA isolation kit from blood and tissue	50 tests	2	60000
80.	plasmid isolation kit	50 tests	3	108000
81.	stool DNA isolation kit	50 prep	4	70000
82.	Mouse recombinant CCL21	20ug	10	50000
83.	Mouse recombinant CXCL12	20ug	10	50000
84.	Mouse recombinant CCL19	20ug	10	50000
85.	Mouse recombinant IL2	20ug	5	50000
86.	Human Recombinant IL2	20ug	5	50000
87.	Recombinant mouse Type 1 Interferon alpha	1 * 10 <sup>5</sup> units	2	50000

88.	Recombinant human ICAM-1	50ug	3	50000
89.	recombinant human IL4	20ug	2	50000
90.	recombinant human MCSF	20ug	2	50000
91.	recombinant human GMCSF	20ug	2	50000
92.	recombinant human IFN alpha	20ug	2	50000
93.	recombinant human FLt3	20ug	2	50000
94.	recombinant human CCL21	20ug	2	50000
95.	recombinant human SDF1a	20ug	2	50000
96.	recombinant human CCL19	20ug	2	50000
97.	recombinant human fibronectin	200ug	2	50000
98.	Insulin human	1gm	1	58000
99.	LL37 peptide	1mg	2	180000
100.	pH Rhodo FITC dextran	0.5mg	2	72000
101.	pH Rhodo intracellular pH indicator	50ul	2	82000
102.	Cell trace violet dye for proliferation	180 assays	1	50000
103.	CFSE dye for proliferation	180 assays	2	50000
104.	Fluo-3AM dye	1mg	2	62000
105.	quanti-blue for reporter assay	5ml	3	69000
106.	pan ELISA for Human Interferon ELISA	20 plates	2	140000
107.	mouse Interferon alpha ELISA kit	96 wells	3	150000
108.	Mouse Resistin ELISA kit	96 wells	2	90000
109.	Mouse Insulin ELISA kit	96 wells	2	64000
110.	Multiplex cytokine detection detect, 48 cytokines	96 wells	1	500000
111.	Multiplex cytokine detection detect, 27 cytokines	96 wells	1	320000
112.	SARS-CoV-2 neutralising ELISA kit	96 wellls	2	180000
113.	Human dsDNA ELISA kit	96 wells	2	180000
114.	Human anti-Sm ELISA Kit	96 wells	2	150000
115.	TMB substrate for ELISA	600ml	3	24000
116.	WWL70	10mg	2	62000
117.	2-arachidonyl glycerol	10mg	2	30000
118.	4-Ethoxymethylene-2-phenyl-2-oxazolin-5-one	10gm	2	40000
119.	sulfo-SANPAH	50mg	2	80000
120.	DIDS	1gm	1	50000
121.	10X TAE buffer	4 litres	2	30000
122.	CL264 ligand	1mg	1	60000
123.	CL075 ligand	1mg	1	60000
124.	GsMTx4 peptide	100ug	2	82000
125.	Large-sized magnetic columns for positive selection	25 columns	1	46,000
126.	Medium-sized magnetic columns for positive selection	25 columns	1	30,000
127.	RPMI 1640 media	500ml	10	20000
128.	DMEM media	500ml	10	20000
129.	Sodium pyruvate media supplement	100ml	2	6000
130.	Anti-anti media supplement	100ml	2	6000

131.	PenStrep media supplement	100ml	2	6000
132.	L-Glutamine media supplement	100ml	2	6000
133.	Non-essential amino acids media supplement	100ml	2	6000
134.	Fetal bovine serum for cell culture	500ml	1	80000
135.	collagenase	1gm	2	16000
136.	Bovine serum albumin fraction V, cell culture grade	100gm	1	60000
137.	DMSO cell culture grade	100ml	2	13000
138.	phosphate buffer saline pH 7.4, cell culture grade	20 litres	15	45000
139.	Sybr green + real time PCR plates	25ml	1	70000
140.	cDNA synthesis kit	200rxns	2	46000
141.	Nuclease-free water	1 litre	3	30000
142.	TriZOL for RNA isolation	200ml	4	65000
143.	glycoblue for RNA	300ul	2	50000
144.	RNA later	100ml	2	30000
145.	Human BDCA4-neutropilin 1 microbead	2ML	1	1,50,000
146.	Large-sized magnetic columns for positive selection	25 columns	1	46,000
147.	Medium-sized magnetic columns for positive selection	25 columns	1	30,000
148.	C1 INHIBITOR HUMAN		1	25000
149.	Recombinant Human IL2	10ug	1	9487.22
150.	Recombinant Murine IL2	20ug	1	23126.04
151.				
152.	SARS-CoV-IgG ELISA kit	96 wells	2	81900
153.	ANA ELISA Kit	96 wells	2	46000
154.	SARS-CoV-IgA ELISA kit	96 wells	2	100000
155.	SARS-CoV-IgM ELISA kit	96 wells	2	100000
156.	UPAR ELISA Kit	96 wells	4	280000
157.	Primary Cell Nucleofection Buffer	24 rxns	4	154000
158.	WWL70	10mg	1	31000
159.	TriZOL	200ml	4	44169
160.	DOTAP transfection reagent	2ml	2	80000
161.	RPMI 1640 media	500ml	10	20000
162.	DMEM media	500ml	10	20000
163.	Sodium pyruvate media supplement	100ml	2	6000
164.	Anti-anti media supplement	100ml	2	6000
165.	PenStrep media supplement	100ml	2	6000
166.	L-Glutamine media supplement	100ml	2	6000
167.	Non-essential amino acids media supplement	100ml	2	6000
168.	Fetal bovine serum for cell culture	500ml	4	165000
169.	M199 media	500ml	10	40000
170.	dispase cell culture grade	100mg	5	20000
171.	ITS media supplement	10ml	5	5000
172.	Trypsin-EDTA, cell culture	100ml	5	150000

173.	HiSep for gradient centrifugation	500ml	8	150000
174.	collagenase	1gm	2	16000
175.	Bovine serum albumin fraction V, cell culture grade	100gm	2	120000
176.	DMSO cell culture grade	100ml	2	130000
177.	phosphate buffer saline pH 7.4, cell culture grade	20 litres	15	45000
178.	Sybr green + real time PCR plates	25ml	1	70000
179.	cDNA synthesis kit	200rxns	2	46000
180.	Nuclease-free water	1 litre	3	30000
181.	TriZOL for RNA isolation	200ml	4	150000
182.	glycobluo for RNA	300ul	10	105000
183.	RNA later	100ml	2	30000
184.	DNA isolation kit from blood and tissue	50 tests	3	108000
185.	plasmid isolation kit	50 tests	3	108000
186.	stool DNA isolation kit	50 prep	4	70000
187.	Mouse recombinant CCL21	20ug	10	50000
188.	Mouse recombinant CXCL12	20ug	10	50000
189.	Mouse recombinant CCL19	20ug	10	50000
190.	Mouse recombinant IL2	20ug	5	50000
191.	Human Recombinant IL2	20ug	5	50000
192.	Recombinant mouse Type 1 Interferon alpha	1 * 10 <sup>5</sup> units	2	50000
193.	Recombinant human ICAM-1	50ug	3	50000
194.	recombinant human IL4	20ug	2	50000
195.	recombinant human MCSF	20ug	2	50000
196.	recombinant human GMCSF	20ug	2	50000
197.	recombinant human IFN alpha	20ug	2	50000
198.	recombinant human FLt3	20ug	2	50000
199.	recombinant human CCL21	20ug	2	50000
200.	recombinant human SDF1a	20ug	2	50000
201.	recombinant human CCL19	20ug	2	50000
202.	recombinant human fibronectin	200ug	2	50000
203.	Insulin human	1gm	1	58000
204.	LL37 peptide	1mg	2	180000
205.	pH Rhodo FITC dextran	0.5mg	2	72000
206.	pH Rhodo intracellular pH indicator	50ul	2	82000
207.	Cell trace violet dye for proliferation	180 assays	1	50000
208.	CFSE dye for proliferation	180 assays	2	50000
209.	Fluo-3AM dye	1mg	2	62000
210.	quanti-blue for reporter assay	5ml	3	69000
211.	pan ELISA for Human Interferon ELISA	20 plates	1	70000
212.	mouse Interferon alpha ELISA kit	96 wells	3	150000
213.	Mouse Resistin ELISA kit	96 wells	2	90000
214.	Mouse Insulin ELISA kit	96 wells	2	64000
215.	Multiplex cytokine detection detect, 48 cytokines	96 wells	1	500000

216.	Multiplex cytokine detection detect, 27 cytokines	96 wells	1	320000
217.	SARS-CoV-2 neutralising ELISA kit	96 wellls	1	90000
218.	Human dsDNA ELISA kit	96 wells	1	90000
219.	Human anti-Sm ELISA Kit	96 wells	1	75000
220.	TMB substrate for ELISA	600ml	3	24000
221.	WWL70	10mg	2	62000
222.	2-arachidonyl glycerol	10mg	2	30000
223.	4-Ethoxymethylene-2-phenyl-2-oxazolin-5-one	10gm	2	40000
224.	sulfo-SANPAH	50mg	2	80000
225.	DIDS	1gm	1	50000
226.	Phagocytosis assay kit	Kit	2	Rs. 50,000
227.	Autophagy detection kit	Kit	2	Rs. 45,000
228.	Rat cytokine array kit	Kit	2	Rs. 65,000
229.	Mouse cytokine array kit	Kit	2	Rs. 65,000
230.	Human cytokine array kit	Kit	2	Rs. 65,000
231.	Amyloid beta oligomer	Peptide	10	Rs. 2,00,000
232.	Nerve growth factor	Biochemical	2	Rs. 40,000
233.	Protease inhibitor	Biochemical	5	Rs. 50,000
234.	Protein ladder	Biochemical	10	Rs. 12,000
235.	Immersion oil	oil	5	Rs. 11,000
236.	Max, midi, miniPlasmidkit	Kit	6	Rs. 60,000
237.	ChIP assay kit	Kit	2	Rs. 38,000
238.	STAT3 inhibitor	Biochemical	2	Rs. 25,000
239.	PI3K inhibitor	Biochemical	2	Rs. 25,000
240.	3 Methyl adenine	Biochemical	2	Rs. 25,000
241.	Pan-caspase inhibitor	Biochemical	2	Rs. 25,000
242.	LysoTracker red	Kit	2	Rs. 30,000
243.	Lenti-ORF particles	Biochemical	2	Rs. 78,000
244.	Protein A agarose beads	Biochemical	2	Rs. 5000
245.	Taqman microRNA	Kit	5	Rs. 33,000
246.	cDNA synthesis kit	Kit	10	Rs. 10,000
247.	RT-PCR kit	Kit	10	Rs. 15,000
248.	Qiagen exosome kit	Kit	5	Rs. 30,000
249.	TGF-B	Growth factor	4	Rs. 50,000
250.	OPTI-MEM	Medium	5	Rs. 10,000
251.	DMEM high glucose medium	Medium	10	Rs. 5000
252.	DMEM low-glucose medium	Medium	10	Rs. 5000
253.	RPMI medium	Medium	5	Rs. 5000
254.	DMEM-F12 medium	Medium	10	Rs. 5000
255.	Trypsin-EDTA	Medium	10	Rs. 10,000
256.	Mouse TIMP-1 quantitative assay kit	Kit	2	Rs. 46,000
257.	Prolong gold antifade reagent	Biochemical	4	Rs. 25,000
258.	sAPP ELISA kit	Kit	4	Rs. 52,000
259.	DAPT	Inhibitor	5	Rs. 18,000
260.	DNA ladder	Biochemical	10	Rs. 15,000
261.	Lipofectamine	Biochemical	5	Rs. 80,000
262.	DMEM, 500ML		500ml	2,351.36

263.	DMEM, 500ML		500ml	3,906.71
264.	MEM EARLES, 500ML		500ml	2,574.45
265.	RPMI 1640, 500ML		500ml	3,637.53
266.	RPMI 1640, 500ML		500ml	2,641.48
267.	RPMI 1640, 500ML		500ml	4,741.47
268.	MEM NEAA- 100X, 100ML		100ml	2,073.80
269.	DMEM, 10 X 500ML		Each	19,970.30
270.	FBS- QUALIFIED, 500ML		500ml	12,567.45
271.	PENICILLIN STREPTOMYCIN SOL, 20ML		20ml	1,270.47
272.	TRYPsin 0.25% EDTA, 100ML		100ml	1,319.69
273.	TRYPAN BLUE STAIN, 100ML		100ml	1,693.61
274.	DPBS, 10X1L		Each	4,074.29
275.	HBSS, 1000ML		1000ml	4,004.11
276.	OPTI MEM I, 100ML		100ml	2,215.20
277.	Restriction enzyme: Fast digest EcoRV, HindIII, Xho1, BamH1, Sac1, Xba1	Sigma-100ul	6	45000
278.	Antibiotic: Doxycycline	10G	1	18000
279.	DMEM glutamine-free medium	Medium	10	Rs. 30,000
280.	TIMP-1	Recombinant protein	1	Rs 50,000
281.	Insulin	Biochemical	3	Rs 25,000
282.	Poly-D-lysine	Chemical	3	Rs 40,000
283.	B-27 supplement	Biochemical	3	Rs 45,000

<b>Glasswares</b>				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	Measuring cylinder		5	2000
2.	Conical Flasks		10	5000
3.	Test Tube (20x150mm)		13	6500
4.	RB flask 5 mL Single neck B-14		45	900
5.	10 ml single neck rb flask(B-14)		50	1500
6.	25 ml single neck rb flask(B-14)		70	1750
7.	100ml single neck Rb flask B-24		105	1575
8.	Single neck RB 250 mL B-24		150	4500
9.	Single neck RB 250 mL B-19		150	3000
10.	Single neck RB 500 mL B-24		225	3375
11.	RB 2 Lt BOROSIL		580	5800
12.	RB 3 Lt BOROSIL		1650	16500
13.	RB flask 10 mL double neck B-14		105	1575
14.	10 mL Peer shaped RB B-14		75	1125
15.	25 ml Peer shaped RB B-14		84	1680
16.	Filtration flask 100ml B-14		325	9750
17.	Filtration flask 250ml B-24		415	8300
18.	Filtration flask 250ml without std joint		310	4650
19.	Filtration flask 500ml without std		380	1900



	joint			
20.	Conical flask 50ml		52	1560
21.	100 mL Std joint conical		105	525
22.	250 mL Std joint conical B-24		140	1400
23.	Conical flask 250ml without std joint		85	1700
24.	Conical flask 500ml without std joint		150	3000
25.	2way Take off B-14		360	5400
26.	2way Take off B-19		375	5625
27.	2way Take off B-24		390	5850
28.	Oil Bath ( Small)		245	6125
29.	Oil Bath ( Big)		600	1800
30.	Rota adaptor B-24		300	4500
31.	Rota adaptor B-19		300	4500
32.	Rota adaptor B-14		300	6000

<b>Plasticwares including Pipettes and Micropipettes</b>				
<b>Sl. No.</b>	<b>Generic Name</b>	<b>Specification</b>	<b>Quantity</b>	<b>Approx Cost (Rs.)</b>
1.	1.5ml microcentrifuge tubes		20paks	25000
2.	2ml microcentrifuge tubes		5paks	6000
3.	15ml falcon		2 carton	15000
4.	50ml falcon		2 carton	15000
5.	10ul tips		20 paks	7000
6.	100ul tips		20 paks	7000
7.	1ml tips		20 paks	7000
8.	FACS tubes, sterile-grade	1000pc/box	2	30000
9.	5um transwell plated 24 well	12 per pack	5	50000
10.	millicell chamber for cell chemotaxis	10 per box	2	72000
11.	U-bottomed cell culture 96 well plates	160/box	3	81000
12.	Vented T75 flasks for cell culture	100 pc/box	5	50000
13.	Vented T25 flasks for cell culture	100 pc/box	5	50000
14.	Tips, 1ml	500pc/pk	20	7000
15.	Tips, 200ul	1000pc/pk	20	8000
16.	FACS tubes, sterile grade	1000pc/box	5	80000
17.	15ml tubes, sterile, cell culture	500pc/box	5	25000
18.	50ml tubes, sterile, cell culture	500pc/pk	5	30000
19.	1.5ml eppendorfs, cell culture	500pc/pk	10	4500
20.	cryo vials, 1.8ml, internally threaded	500pc/box	2	50000
21.	FACS tubes, sterile-grade	1000pc/box	2	30000
22.	5um transwell plated 24 well	12 per pack	5	50000
23.	millicell chamber for cell chemotaxis	10 per box	2	72000
24.	U-bottomed cell culture 96 well plates	160/box	3	81000
25.	Vented T75 flasks for cell culture	100 pc/box	5	50000
26.	Vented T25 flasks for cell culture	100 pc/box	5	50000

27.	Tips, 1ml	500pc/pk	20	7000
28.	Tips, 200ul	1000pc/pk	20	8000
29.	FACS tubes, sterile grade	1000pc/box	5	80000
30.	15ml tubes, sterile, cell culture	500pc/box	5	25000
31.	50ml tubes, sterile, cell culture	500pc/pk	5	30000
32.	1.5ml eppendorfs, cell culture	500pc/pk	10	4500
33.	cryo vials, 1.8ml, internally threaded	500pc/box	2	50000
34.	Vented T75 flasks for cell culture	100 pc/box	5	50000
35.	Vented T25 flasks for cell culture	100 pc/box	5	50000
36.	Tips, 1ml	500pc/pk	20	7000
37.	Tips, 200ul	1000pc/pk	20	8000
38.	FACS tubes, sterile grade	1000pc/box	2	42000
39.	15ml tubes, sterile, cell culture	500pc/box	5	25000
40.	50ml tubes, sterile, cell culture	500pc/pk	5	30000
41.	1.5ml eppendorfs, cell culture	500pc/pk	10	4500
42.	5um transwell plated 24 well	12 per pack	5	50000
43.	millicell chamber for cell chemotaxis	10 per box	2	72000
44.	U-bottomed cell culture 96 well plates	160/box	3	81000
45.	Vented T75 flasks for cell culture	100 pc/box	5	50000
46.	Vented T25 flasks for cell culture	100 pc/box	5	50000
47.	Tips, 1ml	500pc/pk	20	7000
48.	Tips, 200ul	1000pc/pk	20	8000
49.	FACS tubes, sterile grade	1000pc/box	5	80000
50.	15ml tubes, sterile, cell culture	500pc/box	5	25000
51.	50ml tubes, sterile, cell culture	500pc/pk	5	30000
52.	1.5ml eppendorfs, cell culture	500pc/pk	20	10000
53.	2 ml eppendorfs	500pc/pk	15	10000
54.	1.5 ml eppendorfs	Eppendorf tubes	50 boxes	Rs. 25,000
55.	2 ml eppendorfs	Eppendorf tubes	10 boxex	Rs. 25,000
56.	500 ul eppendorfs	Eppendorf tubes	20 boxes	Rs. 25,000
57.	1 ml, 200 ul, 20ul tips	Pipette tips	50 boxes	Rs. 50,000
58.	T25 flasks	Tissue culture	10 boxes	Rs. 25,000
59.	T75 flasks	Tissue culture	10 boxes	Rs. 25,000
60.	Fast rctn tubes	Tissue culture	10 boxes	Rs. 25,000
61.	Steripettes	Tissue culture	10 boxes	Rs. 25,000
62.	6 well plates	Tissue culture	20 boxes	Rs. 50,000
63.	24 well plates	Tissue culture	20 boxes	Rs. 50,000
64.	Accupipete™-Variable Volume Pipette, Cap: 1-10µl, Model: T10		10	51520
65.	Accupipete™-Variable Volume Pipette, Cap: 10-100µl, Model: T100		5	25760
66.	Accupipete™-Variable Volume Pipette, Cap: 20-200µl, Model: T200		5	25760
67.	Accupipete™-Variable Volume Pipette, Cap: 200-1000µl, Model: T1000		10	51520
68.	Spinwin™ Micro Centrifuge Tube, Cap: 0.5ml, 1000pcs/pk		25	15750
69.	Wash Bottle, Cap: 500ml,6pcs/pk		20	9560
70.	Beaker, Cap1000ml, 4pc/pk		15	6018.75

71.	Beaker, Cap. 500 ml, pc/pk		6	1189.02
72.	Spinix™-Vortex Shaker,MC-01, with speed control		2	19508
73.	Spinwin™ Micro Centrifuge Tube, Cap. 2.0 ml, 500 pc/pk		10	4570
74.	Reversible Rack with Cover, 96 places, Cap: 0.5 or 1.5 ml, 4 pc/pk		10	4010
75.	Desiccator Vacuum, Dia. 300 mm		5	22550
76.	Safeskin Nitrile Gloves 9.5" Length, Medium, 100pc/pk		20	19900
77.	Safeskin Nitrile Gloves 9.5" Length, Large, 100pc/pk		20	19900
78.	Safeskin Nitrile Gloves 9.5" Length, Small, 100pc/pk		20	19900
79.	0-10ul	Eppendorf Pipette 1-channel	1	28000
80.	10-100ul	Eppendorf Pipette 1-channel	1	28000
81.	100-1000ul	Eppendorf Pipette 1-channel	1	28000
82.	30-300ul	Eppendorf Pipette 8-channel	1	88000
83.	Chamber slides	Tissue culture	10 boxes	Rs. 56,000
84.	Syringes	Tissue culture	20 boxes	Rs. 10,000
85.	Ultra-4 Centrifugal Filter Unit (Molecular cutters)	Tissue culture	4 boxes	Rs. 40,000

<b>Filter Papers &amp; Filtration Kit</b>				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	filter units, 0.22 micron, 500ml	12 per box	2	40000
2.	70um cell strainer	50 pc/pk	5	35000
3.	0.22 micronfliter, 33mm	50 pc/pk	2	22000
4.	0.22 micron filter, 4mm	100pc/pk	2	58920.4
5.	COPLIN STAINING JARS	12/SET	2	24000
6.	filter units, 0.22 micron, 500ml	12 per box	5	100000
7.	70um cell strainer	50 pc/pk	5	35000
8.	0.22 micronfliter, 33mm	50 pc/pk	2	22000
9.	0.22 micron filter, 4mm	100pc/pk	2	58920.4
10.	filter units, 0.22 micron, 500ml	12 per box	4	80000
11.	70um cell strainer	50 pc/pk	5	35000
12.	0.22 micron fliter, 33mm	50 pc/pk	2	22000
13.	0.22 micron filter, 4mm	100pc/pk	2	58920.4
14.	filter units, 0.22 micron, 500ml	12 per box	5	100000
15.	70um cell strainer	50 pc/pk	5	35000
16.	0.22 micronfliter, 33mm	50 pc/pk	2	22000
17.	0.22 micron filter, 4mm	100pc/pk	2	58920.4
18.	0.22 um filter units	Filtration Kit	10 boxes	Rs. 50,000

19.	500 ml filter units	Filtration Kit	5 Boxes	Rs. 50,000
20.	Filter paper	Filter paper	2 Boxes	Rs. 25,000
21.	Dialysis membrane	76 mm	100 mt	25,000
	Centrifugal concentrator	5 kD	25 ea	25,000
	Centrifugal concentrator	10 kD	25 ea	25,000
	Centrifugal concentrator	30 kD	25 ea	25,000
	Centrifugal concentrator	100 kD	25 ea	25,000
	Sterile Vacuum Filtration System	500-1000 mL	50 ea	60,000
22.				

<b>Oligos</b>				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	oligonucleotide		1500 bases	30000
2.	Human CpGA ODN oligonucleotides	1mg	2	140000
3.	Human CpGB ODN oligonucleotides	1mg	2	140000
4.	mouse CpGA oligonucleotide	1mg	1	70000
5.	mouse CpGB oligonucleotide	1mg	1	70000
6.	ssRNAllyovec ligand	5mg	1	100000
7.	oligonucleotides for polymerase chain reaction	25bp	50	25000
8.	human siRNA for transfection	100ul	5	90000
9.	mouse siRNA for transfection	100ul	6	102000
10.	Human CpGA ODN oligonucleotides	1mg	2	140000
11.	Human CpGB ODN oligonucleotides	1mg	2	140000
12.	mouse CpGA oligonucleotide	1mg	2	150000
13.	mouse CpGB oligonucleotide	1mg	2	150000
14.	ssRNAllyovec ligand	5mg	1	100000
15.	oligonucleotides for polymerase chain reaction	25bp	50	25000
16.	human siRNA for transfection	100ul	2	30000
17.	oligonucleotides for polymerase chain reaction	25bp	50	25000
18.	human siRNA for transfection	100ul	5	90000
19.	mouse siRNA for transfection	100ul	5	80000
20.	Human CpGA ODN oligonucleotides	1mg	2	140000
21.	Primers	Oligos	50	Rs. 20,000
22.	siRNAs	Oligos	10	Rs. 1,00,000
23.	shRNAs	Oligos	10	Rs. 1,00,000
24.	Primers		200	80000

<b>Antibodies</b>				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	Anti rabbit secondary		1	40000

2.	Custom antibody		2	150000
3.	anti-mouse CD45 PerCP	0.025mg	2	27744
4.	anit-mouse CD4 APC	0.025mg	1	6185
5.	anti-mouse IL-17A PE	0.025mg	1	9277
6.	anti-mouse CD206 ALEXA 647	0.025mg	1	13695
7.	anti-mouse CD86 PE	0.025mg	1	6185
8.	anti-mouse F4/80-Like Rcptr BUV395	0.05mg	1	30925
9.	anti-mouse TCR gamma delta PE	0.025mg	1	8615
10.	anti-human CD196 (CCR6) PE	0.025mg	1	11133
11.	anti-human CD11c BUV395	100 tests	1	34901
12.	anti-human CD11b/MAC-1 BV421	100 tests	1	32692
13.	anti-human CD279 (PD-1) PE-CY7	100 tests	1	28000
14.	anti-human LAG-3 (CD223) Alexa Flour 647	0.05mg	1	29000
15.	Anti mouse CD-4 Buv 395	50µg	1	50000
16.	Anti mouse CD-45 BV 786	50µg	1	24000
17.	Anti mouse CD-44 Per CP Cy 5.5	50µg	1	17406
18.	Anti mouse FOXP3 V450	120 tests	1	18000
19.	Anti-mouse F4/80-Like Rcptr BUV395	50µg	1	35000
20.	anti-human HLA-DR PE-Cy7	100 tests	2	45000
21.	anti-human CD123 BV650	50 tests	1	40000
22.	anti-human BDCA2 BV421	50 tests	1	40000
23.	anti-human BDCA2 APC	100 tests	3	36000
24.	anti-human HLA ABC PerCP	100 tests	3	42000
25.	anti-human CD14 PECy5	100 tests	2	38000
26.	anti-human BDCA1 PerCP Cy5.5	100 tests	2	40000
27.	anti-human BDCA3 BV711	50 tests	1	36000
28.	anti-human CD15 FITC	100 tests	2	32000
29.	anti-human FoxP3 PE	100 tests	2	46000
30.	anti-human purified CD3 OKT3 clone	500ul	2	68000
31.	anti-human purified CD28	500ul	2	68000
32.	anti-mouse CD45 PerCP	0.025mg	2	27744
33.	anit-mouse CD4 APC	0.025mg	1	6185
34.	anti-mouse IL-17A PE	0.025mg	1	9277
35.	anti-mouse CD206 ALEXA 647	0.025mg	1	13695
36.	anti-mouse CD86 PE	0.025mg	1	6185
37.	anti-mouse F4/80-Like Rcptr BUV395	0.05mg	1	30925
38.	anti-mouse TCR gamma delta PE	0.025mg	1	8615
39.	anti-human CD196 (CCR6) PE	0.025mg	1	11133
40.	anti-human CD11c BUV395	100 tests	1	34901
41.	anti-human CD11b/MAC-1 BV421	100 tests	1	32692
42.	anti-human BDCA-2 (CD303) BB700	100 tests	1	31809
43.	anti-human CD3 BV711	0.05mg	1	43737
44.	anti-human CD8 alexa fluor 700	50 test	1	18113
45.	anti-human TIM-3 (CD366) BV421	100 tests	1	32692
46.	anti-human LAG-3 (CD223) BV510	0.05mg	1	43737

47.	anti-human CD38 APC-H7	100 tests	1	41267
48.	anti-human CD279 (PD-1) PE-Cy™7	100 tests	1	28981
49.	Anti mouse CD-4 Buv 395	50µg	3	150000
50.	Anti mouse CD-25 PE	.2mg	5	35000
51.	Anti mouse CD-45 BV 786	50µg	5	117070
52.	Anti mouse CD-44 Per CP Cy 5.5	50µg	5	87030
53.	Anti mouse CD-38 PE	.2mg	5	100000
54.	Anti mouse CD-23 Alexa 647	.1mg	6	80000
55.	Anti mouse CD-86 PE	.2mg	5	32500
56.	Anti mouse CD11c PE Cy7	.1mg	5	150000
57.	Anti mouse γδ T PE	.1mg	5	51000
58.	Anti mouse FOXP3 V450	120 tests	5	90000
59.	Anti-mouse F4/80-Like Rcptr BUV395	50µg	5	154625
60.	Anti Mouse CD9	50ug	5	45000
61.	Anti Mouse CD36	100ug	5	85000
62.	anti-human TIGIT	50 tests	6	115000
63.	anti-human PD-1	50 tests	5	150000
64.	anti-human LAG3	50 tests	4	180000
65.	anti-human TIM3	50 tests	5	165000
66.	anti-human CD86 PECy7	100 tests	4	125000
67.	anti-human CD206 APC	100 tests	3	115000
68.	anti-human CD45 V500	50 tests	2	90000
69.	anti-human CD3 PerCP	100 tests	5	85000
70.	anti-human CD4 BUV395	50 tests	5	175000
71.	anit-human CD8 FITC	100 tests	4	48000
72.	anti-human CD38 APC-CY7	100 tests	2	30000
73.	anti-human CD127 BV711	50 tests	3	130000
74.	antihuman CD25 PE	100 tests	2	25000
75.	anti-human ICOS BV650	50 tests	4	142000
76.	anti-human PDL1 BV786	50 tests	2	86000
77.	anti-human CXCR5 APC-CY7	100 tests	2	55090
78.	anti-human CCR7 APC	100 tests	2	38000
79.	anti-human CD11c BUV395	50 tests	1	50000
80.	anti-human CD11b BV605	50 tests	1	40000
81.	anti-human HLA-DR PE-Cy7	100 tests	2	45000
82.	anti-human CD123 BV650	50 tests	2	92000
83.	anti-human BDCA2 BV421	50 tests	1	45000
84.	anti-human BDCA2 APC	100 tests	3	36000
85.	anti-human HLA ABC PerCP	100 tests	3	42000
86.	anti-human CD14 PECy5	100 tests	2	38000
87.	anti-human BDCA1 PerCP Cy5.5	100 tests	2	40000
88.	anti-human BDCA3 BV711	50 tests	2	78000
89.	anti-human CD15 FITC	100 tests	2	32000
90.	anti-human FoxP3 PE	100 tests	2	46000
91.	anti-human purified CD3 OKT3 clone	500ul	2	68000
92.	anti-human purified CD28	500ul	2	68000
93.	SLC4A3 antibody human	100ul	2	55000
94.	Piezo1 antibody human	100ul	2	65000

95.	TMEM63A antibody human	100ul	1	40000
96.	TMEM63B antibody human	100ul	1	41000
97.	anti-rabbit IgG HRP	1ml	1	12000
98.	anti-mouse IgG HRP	1ml	1	12000
99.	anti-IgG HRP, Human	2ml	1	25000
100.	anti-IgM HRP, Human	2ml	1	25000
101.	mouse anti-Human LC3 antibody	20ul	2	63000
102.	ATP13A2 antibody human	200ul	2	62000
103.	anti-mouse CD25 (IL-2Ra) antibody	100mg	1	24500
104.	Mouse anti-IFNAR antibody	50MG	1	180000
105.	Human anti-CD3/CD28 dynabead	0.4ml	5	96000
106.	rhoA antibody	100ug	1	31000
107.	Anti mouse adiponectin unconjugated	100ug	1	42000
108.	Viability dye 405/452	100 tests	1	10,260.00
109.	CD107a (LAMP-1) Antibody, anti-human, APC	200ul	1	37,260.00
110.	CD11c Antibody, anti-mouse, PE-770	200ul	1	14,580.00
111.	Anti mouse CD3 unconjugated	100ug	1	40,000.00
112.	Human TIM-3 (CD366) PE-CF594	100 tests	1	27956
113.	CD127 - PE - Anti Human -	- 0.1 mg	1	22948
114.	Human CD25 Non Human Primate APC Monoclonal Antibody	50 Tests	1	32544
115.	CD19 - PE-Cy7 - Anti Human	100 test	1	24617
116.	CD20 - FITC - Anti Human	100 test	1	15855
117.	CD27, APC, Anti HuMAN	100 test	1	26704
118.	Human BDCA-2 (CD303) BB700	50ug	2	82614
119.	ANTI- MO/RAT FOXP3 - EF450	(25 µG)	2	38,090.94
120.	ANTI-MO TCR B - APC-EF780	(100 µG)	1	23,114.52
121.	ANTI-MO CD 4 - APC	(100 µG)	1	20,166.16
122.	ANTI-MO CD 45 - SB780	(100 µG)	1	29,980.06
123.	ANTI-MO CD 206 – APC	(25 µG)	1	12,634.48
124.	ANTI-MO CD 25 – PE	(50 µG)	1	10,128.12
125.	ANTI-MO CD 11C – PERCP – CY 5.5	(25 µG)	2	23325.04
126.	ANTI-MO CD 86 – PE	(50 µG)	1	10,471.66
127.	ANTI-MO CD 69 – SB600	(100 µG)	1	31,705.09
128.	ANTI-MO CD 45 - PERCP – CY 5.5	(25 µG)	1	11,124.17
129.	ANTI-MO CD 38 - APC-EF780	(25 µG)	1	13,438.32
130.	anti human transferrin receptor antibody	100UL	2	70,000.00
131.	anti human LAMP1 antibody	100UL	2	70,000.00
132.	anti humanLC3 receptor antibody	50UL	2	70,000.00
133.	anti human IgG secondary	100ul	1	35000
134.	anti rat IgG secondary	100ul	1	35000
135.	anti mouse IgG secondary	100ul	1	35000
136.	anti rabbit IgG secondary	100ul	1	35000
137.	anti goat IgG secondary	100ul	1	35000
138.	Human TIM-3 (CD366) PE-CF594	100 tests	1	27956

139.	CD127 - PE - Anti Human -	- 0.1 mg	1	22948
140.	Human CD25 Non Human Primate APC Monoclonal Antibody	50 Tests	1	32544
141.	CD19 - PE-Cy7 - Anti Human	100 test	1	24617
142.	CD20 - FITC - Anti Human	100 test	1	15855
143.	CD27, APC, Anti HuMAN	100 test	1	26704
144.	Human BDCA-2 (CD303) BB700	50ug	2	82614
145.	ANTI- MO/RAT FOXP3 - EF450	(25 µG)	2	38,090.94
146.	ANTI-MO TCR B - APC-EF780	(100 µG)	1	23,114.52
147.	ANTI-MO CD 4 - APC	(100 µG)	1	20,166.16
148.	ANTI-MO CD 45 - SB780	(100 µG)	1	29,980.06
149.	ANTI-MO CD 206 – APC	(25 µG)	1	12,634.48
150.	ANTI-MO CD 25 – PE	(50 µG)	1	10,128.12
151.	ANTI-MO CD 11C – PERCP – CY 5.5	(25 µG)	2	23325.04
152.	ANTI-MO CD 86 – PE	(50 µG)	1	10,471.66
153.	ANTI-MO CD 69 – SB600	(100 µG)	1	31,705.09
154.	ANTI-MO CD 45 - PERCP – CY 5.5	(25 µG)	1	11,124.17
155.	ANTI-MO CD 38 - APC-EF780	(25 µG)	1	13,438.32
156.	ANTI HU CLEC4C ANTIBODY	1 VIAL	1	35,000.00
157.	Anti mouse adiponectin unconjugated	100ug	1	42000
158.	Anti mouse CD3 unconjugated	100ug	1	40,000.00
159.	DNASE1L3 ANTIBODY	100UL	2	80,000.00
160.	PV6R	1 PACK	1	10,000.00
161.	ER stress antibodies	Antibody	2	Rs. 60,000
162.	Autophagy related antibodies	Antibody	2	Rs. 2,00,000
163.	Microglial markers	Antibody	2	Rs. 1,50,000
164.	Astrocyte markers	Antibody	2	Rs. 2,00,000
165.	Anti-Trib3	Antibody	2	Rs. 35,000
166.	Anti-E2F1	Antibody	2	Rs. 35,000
167.	Anti-Sei1	Antibody	2	Rs. 50,000
168.	Anti-PARP	Antibody	2	Rs. 40,000
169.	Anti-Bim	Antibody	2	Rs. 35,000
170.	Anti-Bcl2	Antibody	2	Rs. 35,000
171.	Anti-Bclxl	Antibody	2	Rs. 35,000
172.	Anti-PTX3	Antibody	2	Rs. 35,000
173.	Anti-MAP2 HRP	Antibody	2	Rs. 37,000
174.	Anti-C3	Antibody	2	Rs. 44,000
175.	Anti-Nestin	Antibody	2	Rs. 36,000
176.	Anti-Iba1	Antibody	2	Rs. 38,000
177.	Anti-Bid	Antibody	2	Rs. 35,000
178.	Anti-FoxO	Antibody	2	Rs. 40,000
179.	Anti-CHL1	Antibody	2	Rs. 11,000
180.	Anti-Rabbit secondary antibody	Antibody	2	Rs. 35,000
181.	Anti-Mouse secondary antibody	Antibody	2	Rs. 35,000
182.	Anti-Rabbit Alexa flour green	Antibody	2	Rs. 32,000
183.	Anti-Mouse Alexa fluor green	Antibody	2	Rs. 32,000
184.	Anti-Rabbit Alexa fluor red	Antibody	2	Rs. 32,000
185.	Anti-Mouse Alexa fluor red	Antibody	2	Rs. 32,000



186.	Anti-actin HRP conjugated	Antibody	2	Rs. 40,000
187.	$\alpha$ -Defensins		0.5mg	70000
188.	Indolicidin		1mg	30000
189.	Melittin from honeybee wax		1mg	37680
190.	Nissin from lactobacillus lactii		5mg	22000
191.	Anti-carboxylesterase-2	Abcam-100ul	2	70000
192.	Anti-phospho-Cofilin	Antibody	1	Rs 35,000
193.	Anti-phospho AMPAR1	Antibody	1	Rs 35,000
194.	Anti-AMPA Receptor 1	Antibody	1	Rs 35,000
195.	Anti-Phospho-GSK-3 $\beta$	Antibody	1	Rs. 45,000
196.	Anti-NMDA Receptor 1 (GluN1) (D65B7)	Antibody	1	Rs. 45,000
197.	NMDA Receptor 2A (GluN2A)	Antibody	1	Rs. 45,000
198.	NMDA Receptor 2B (GluN2B) (D15B3)	Antibody	1	Rs. 45,000
199.	AMPA Receptor 2 (GluA2) (E1L8U) Rabbit mAb	Antibody	1	Rs. 45,000
200.	CaM Kinase II alpha [p Thr286] Antibody	Antibody	1	Rs. 45,000
201.	GAPDH (D16H11) XP <sup>®</sup> Rabbit mAb (HRP Conjugate)	Antibody	1	Rs. 45,000
202.	Phospho-TrkA (Tyr490)	Antibody	1	Rs. 45,000
203.	Phospho- TrkB (Tyr706/707) (C50F3)	Antibody	1	Rs. 45,000
204.	Phospho-TrkB (Tyr816) (C67C8)	Antibody	1	Rs. 45,000
205.	Anti-TIMP1 antibody HRP conjugated	Antibody	1	Rs. 45,000
206.	Anti-CD63 HRP conjugated	Antibody	1	Rs. 45,000
207.	Anti-phospho PERK	Antibody	1	Rs. 45,000
208.	Anti-NFKbeta	Antibody	1	Rs. 45,000
209.	Anti-ULK1	Antibody	1	Rs. 45,000
210.	Anti-GADD45 alpha	Antibody	1	Rs. 45,000
211.	Anti-SP1 antibody	Antibody	1	Rs. 45,000
212.	Anti-Integrin beta 1 HRP conjugated	Antibody	1	Rs. 45,000
213.	CD45	Antibody	1	Rs. 45,000
214.	O4	Antibody	1	Rs. 45,000

<b>R&amp;D Consumables if not covered by above category</b>				
<b>Sl. No.</b>	<b>Generic Name</b>	<b>Specification</b>	<b>Quantity</b>	<b>Approx Cost (Rs.)</b>

1.	PVDF membrane	0.2u	1	33000.0
2.	Nitrocellulose membrane	0.4u	1	30900.0
3.	In vitro transcription translation kit		1 kit	65000
4.	T7 luciferase gene		1	10000
5.	1 step RT qPCR kit		500 reactions	50000
6.	Amicon Ultra(10, 30, 50 & 100kDa)		4 packet	100000
7.	Phosphate assay kit		1	19000
8.	Tissue, Cotton, Aluminum foil, Hand wash, Dish washer			10000
9.	v3-v4 library preparation, cluster generation and sequencing		10	82600
10.	Glucometer strips	100 strips/box	20	34000
11.	RNA SEQ			250000
12.	v3-v4 library preparation, cluster generation and sequencing		30	330400
13.	Glucometer strips	100 strips/box	20	34000
14.	High Fat diet 60%	12.5kg	3	175000
15.	SYRINGES		20	50000
16.	GLOVES	BOX	40	40000
17.	MARKER PEN	BOX	10	1100
18.	PRINTER CARTRIDGE	BOX	4	17000
19.	SPRAY BOTTLE		4	500
20.	YELLOW TAPE		10	450
21.	ALUMINIUM FOIL		10	1000
22.	syringes		20	20000
23.	Glucometer strips	100 strips/box	20	34000
24.	printer cartridge		5	20000
25.	v3-v4 library preparation, cluster generation and sequencing		330400	
26.	Glucometer strips	100 strips/box	20	34000
27.	Jet-PEI	transfection	2	Rs. 60,000
28.	Whatman PVDF membrane	Western blot	5 boxes	Rs. 10,000
29.	TGF alpha		10 ug	23000
30.	TGF beta		2 ug	35000
31.	VEGF		10 ug	35708
32.	Fibroblast growth factor		10 ug	27000
33.	Keratinocyte growth factor		10 ug	30000
34.	Human recombinant EGF		10 ug	45000
35.	IL-10 assay kit		1 kit	45000
36.	Immunoglobulin G1		100 mg	36000
37.	Nitrile gloves	Small Medium Large	10 10 08	12000 12000 7200
38.	Log Books	-	5	100
39.	Markers	Normal Broad	10 5	150 100
40.	Savlon Spray	Big	20	3000
41.	Stick file		5	100.00

42.	Testtube Cleaning Brushes		15	300.00
43.	Surgical Masks	Sterilized & packed	100	500.00
44.	Chemicals dispenser pumo		1	52945
45.	Highlighter pen		5	125.00
46.	N <sub>2</sub> Gas		1	4000
47.	Gas Regulator		1	15000
48.	AAA battery		20	300
49.	SARS-CoV-2 Neutralization Antibody Detection Kit		20	1891920
50.	Blotting sheets	500mmX600mm; 50pc each	2	62000
51.	Avidin-Biotin ABC kit	Staining	1	Rs. 85,500
52.	DNase	Tissue culture	1	Rs. 14,000
53.	HBEGF	Tissue culture	2	Rs. 25,000
54.	BSL-1 (Lectin)	Tissue culture	1	Rs. 33,000
55.	Papain	Tissue culture	1	Rs. 10,000
56.	Neural cell dissociation kit	Tissue culture	1	Rs. 70,000
57.	L-cysteine hydrochloride monohydrate	Tissue culture	1	Rs. 20,000
58.	EBSS	Tissue culture	1	Rs. 4000
59.	Trypsin inhibitor	Tissue culture	1	Rs. 8000
60.	D-PBS	Tissue culture	1	Rs. 25,00
61.	Recombinant IL4/IL-13	Tissue culture	1	Rs. 50,000
62.	Poly-IC	Tissue culture	1	
63.	miR-22	Tissue culture	1	
64.	Fluo-4 AM	Biochemical assay	1	Rs. 32,000
65.	Fibroblast growth factor basic	Tissue culture	1	Rs. 30,000
66.	Mix-n-Stain™ Biotin Antibody Labeling Kit (50-100µg)	Staining	1	Rs. 15,000