

Annual Procurement Plan for the Year 2020-21 Consumable List 2

Chemicals, Rare Chemicals, Reagents & Solvents				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	RPMI-1640		10x500 ml	30000
2.	DMEM-F12		5x500 ml	15000
3.	DMEMF12 knockout medium		5x500 ml	15000
4.	Puromycin		20 ml	5000
5.	EFG		100 µg	5000
6.	Serum replacement		200 ml	30000
7.	Antibiotics (Pen/step)		100 ml	15000
8.	FBS		2x500 ml	80000
9.	Insulin		10g	10000
10.	Plasmocin		20ml	10000
11.	CaCl ₂		500gm	1000
12.	Mineral oil		20 ml	1000
13.	ITS 100 ml		100ml	5000
14.	Matrigel		5ml	40000
15.	Sybergreen		10 ml	40000
16.	TaqMan miRNA assay kit		2	70000
17.	siRNAs		20nmole	40000
18.	BSA		500gm	15000
19.	Chemiluminescent substrate for western blotting	HRP substrate, 500 ml	1	25073.00
20.	Minimum Essential Medium	500 ml	3	15215.00
21.	Penicillin Streptomycin Solution	100 ml	10	23022.00
22.	Wnt3A protein	Recombinant mouse, 5 µg	1	25890.00
23.	Reverse Transcriptase KIT	10000 U (200 U/µl)	4	23100.00
24.	RNAIMAX	siRNA transfection reagent, 1.5 ml	2	144779.00
25.	Liquid nitrogen		64 lit.	2016.00
26.	Fuming HCL.	Concentrated Hydrochloric acid,37%.	2.5 litre.	3940.00
27.	Solution for Leishman stain.	HPLC & Spectroscopy grade CH ₃ OH.	9 bottles (2.5 lit.)	5444.00
28.	Liquid nitrogen	Liquid nitrogen.	230litres	7245.00
29.	37% HYDROCHLORIC ACID	Analytical grade,36.5-38.0 %	02	15000
30.	PARAFORMALDEHYDE POWDER, 95%	Molecular grade,crystalline powder	01	5000

		form		
31.	TWEEN 20(100 ML)	For molecular biology,viscous liquid,non-ionic,assay: >40%(GC),refractive index: n20/D 1.468(lit.)	01	6000
32.	TRITON-X-100	For molecular biology,,non-ionic,liquid, aggregation no. 100-155	01	6000
33.	PARAFORMALDEHYDE (500 G)	Powder 95%	01	5300
34.	RAPAMYCIN (100 MG)	>99%,form: powder	01	23000
35.	Urethane 50gm	More ethan 99% GC	01	3000
36.	Ethanol		10	5000
37.	Solvents (MeOH, CHCl ₃ , Hexane, ethyl acetate)	LR grade	200 lit	90000
38.	HPLC grade solvents (Acetonitrile, methanol)	HPLC grade	100 Lit	40000
39.	KMNo ₄ , Celite, DMSO, Hydrazine, charcoal and other general lab chemicals	LR grade	-	20000
40.	PYZD-4409			
41.	ECL PLUS WESTERN BLOTTING SUBSTRATE			
42.	FBS			
43.	ATP			
44.	MG-132			
45.	Lipopolysaccharide			
46.	6-hydroxydopamine			
47.	Catecholamine Metabolites Mix solution			
48.	Serotonin			
49.	MitoTracker Green FM	Detecting mitochondrial biogenesis	1	Rs. 28,500
50.	MitoTracker Red CMXRos	Detecting mitochondrialmembr anepotential	1	Rs. 28,000
51.	MitoSOX	Detecting mitochondrial superoxide production	1	Rs. 32,000
52.	2NBDG	Detecting cell glucoseuptake potential	1	Rs. 22,000
53.	CM-H2DCFDA	Detectingcytosolic ROS	1	Rs. 34,500
54.	DAF-FM Diacetate	Detecting Nitric oxidelevelincell	1	Rs. 27,500
55.	CellTrace Violet	Detecting lymphocyte proliferation Emissionat455nm	1	Rs. 45,000
56.	CellTrace CFSE	Detectingcell proliferation Emissionat525nm	1	Rs. 21,000

57.	FILIPIN III	Detecting free cholesterol in cells Emission at 385-470 nm	1	Rs. 24,000
58.	CHOLESTEROL ASSAY KIT	Detecting both free cholesterol and cholesterol esters Emission at 530-580 nm	1	Rs. 37,000
59.	LIVE/DEAD Fixable Yellow	Detecting cell viability	1	Rs. 33,000
60.	Bodipy	Detecting neutral lipid content	1	Rs. 22,000
61.	Protease Inhibitor cocktail	For blocking protease activity	1	Rs. 7000
62.	Ripa Buffer	For Cell Lysis	1	Rs. 6000
63.	N,N,N',N'-Tetramethylethyle	For Gel Electrophoresis	1	Rs. 5500
64.	Ammonium Persulfate	For Molecular Bio (Gel Electrophoresis)	1	Rs. 5500
65.	Tween(R) 20	For Molecular Bio (Western Blot)	1	Rs. 4000
66.	N-METHYL-1,3-PROPANEDIAMINE, 99%	100GX01	1	2675
67.	TERT-N-BUTYLAM. FLUORIDE 1M SOLN. IN THF	25MLX01	1	2084
68.	TRIISOPROPYLSILYLACETYLENE, 97%	5GX01	1	5189
69.	2-IODOPHENYLACETONITRILE, 96%	5GX04	4	21000
70.	N, N-DIMETHYLETHYLENEDIAMINE, 97%	50GX01	1	3392
71.	1-(2-AMINOETHYL)-4-METHYLPIPERAZINE 97+	1GX01	1	10293
72.	1-(3-AMINOPROPYL) PYRROLIDINE, 97%	5GX01	1	3860
73.	1-(2-AMINOETHYL) PYRROLIDINE, 99%	5GX01	1	3257
74.	1-(3-AMINOPROPYL) IMIDAZOLE, 98%	50GX01	1	2,589.00
75.	3-(4-MORPHOLINYL) PROPYLAMINE, 98%	50GX01	1	2,991.00
76.	4-(2-AMINOETHYL) MORPHOLINE, 98+%	50GX01	1	4,553.00
77.	ACETYLACTALDEHYDE DIMETHYL ACETA	100X01	1	3,072.00
78.	1-Chloro-3-hydroxypropane, 98%, st	100GX01	1	7,271.00
79.	NN-DISUCCINIMIDYL CARBONATE TECH. 85% REMAINDER NHS	25GX01	1	9,341.00
80.	3,4-DIAMINO BENZONITRILE, 97%	5GX01	1	8,811.00
81.	3,4-DIAMINO BENZOIC ACID, 94%	100GX01	1	6,965.00
82.	4-FLUORO-O-PHENYLENEDIAMINE, 97%	5GX01	1	4,589.00
83.	4-TRIFLUOROMETHYL-O-PHENYLENEDIAMINE 98%	5GX01	1	10,244.00
84.	4-iodobenzaldehyde, 98+%	1GX01	1	7,117.00
85.	4-FLUOROBENZALDEHYDE, 98%	25GX01	1	1,812.00
86.	4-NITROBENZALDEHYDE, 99%	25GX01	1	2,778.00
87.	4-(TRIFLUOROMETHYL) BENZALDEHYDE, 97%	5GX01	1	4,494.00
88.	BIPHENYL-4-CARBOXALDEHYDE, 98+%	5GX01	1	2,073.00
89.	DI-TERT-BUTYL DICARBONATE, 97+%	100GX01	1	6,553.00
90.	IODOMETHANE, 99%, STAB. WITH COPPER 1KG	5GX01	1	3,282.00

91.	Cell Counting kit		100 Tests	5339
92.	Poly L-lysine hydrobromide(M.W 30K-70K)		5 mg	6893
93.	Poly L-lysine hydrobromide(M.W 70K-150K)		5 mg	6893
94.	Poly L-lysine hydrobromide(M.W 150K-300K)		25 mg	5350
95.	Vascular endothelial growth factor		10 ug	35708
96.	Lithium Bromide Anhydrous extrapure, 99%		500 gm	3480
97.	Calcium Carbonate		500 gm	400
98.	Silica Gel		500 gm	476
99.	L-Histidine		100 gm	3645
100.	D-Biotin		1 gm	2360
101.	Peptone		500 gm	1360.00
102.	Sodium Carbonate Anhydrous extrapure AR		500 gm	303.00
103.	Ammonium sodium phosphate dibasic tetrahydrate		100 gm	1698.30
104.	4-Nitroquinoline N-oxide		250 mg	5605.47
105.	Benzo(a)pyrene		100 mg	3607.51
106.	2-Aminofluorene		5 gm	3474.30
107.	Tryptone		100 gm	845.00
108.	Transforming Growth factor β		2 ug	33,633.03
109.	0.2ml PCR flatcap tubes			
110.	1.5ml Microcentrifuge Tubes			
111.	Tips			
112.	Bacterial 16S Universal Primers			
113.	Bacterial V3-V4 Primers			
114.	PCR Master mix			
115.	Isopropanol			
116.	Rayon Swab Plain Plastic Stick			
117.	DNA Prep, Tagmentation - for sequencing			
118.	DNA CD Indexes - 24 Indexes - for paired ended sequencing			
119.	Reagent Kit v3 (150-cycles) - for Illumina Miseq sequencing			
120.	Reagent Kit v3 (300-cycles) - for Illumina Miseq sequencing			
121.	Reagent Kit v3 (500-cycles) - for Illumina Miseq sequencing			
122.	Reagent Kit v3 (600-cycles) - for Illumina Miseq sequencing			
123.	Metagenomic Soil DNA extraction kit			
124.	PhiX Control v3 - for Sequencing			
125.	DNA HIGH RESOLUTION KIT (1200) - for pre-sequencing quantification			
126.	ALIGNMENT MARKER 15BP/500BP (1.5 ML) - for pre-sequencing quantification			
127.	SIZE MARKER 25BP - 500BP (50 ML) V2.0 - for pre-sequencing quantification			
128.	SIZE MARKER 500BP - 800BP (50 ML) V2.0 - for pre-sequencing quantification			

129.	SIZE MARKER 100BP - 2.5KB (50 ML) V2.0 - for pre-sequencing quantification		
130.	ALIGNMENT MARKER 15 BP/3 KB (1.5ML) - for pre-sequencing quantification		
131.	Gloves		
132.	Cryo boxes		
133.	Spray Bottles		
134.	Tubes Holder (1.5ml, 2ml, 15ml, 50ml)		
135.	Parafilm		
136.	Parafilm Dispenser		
137.	Cryo gloves		
138.	Micropipette		
139.	Ice boxes		
140.	Tissue rolls		
141.	CALCIUM CHLORIDE	100G	6,734.26
142.	SODIUM SUCCINATE	100G	2,884.61
143.	Nuclease	15KU	19,391.78
144.	PHOSPHODIESTERASE II	10UN	15,818.17
145.	ZINC SULFATE	100G	1,762.24
146.	PHOSPHATASE	100UN	6,335.66
147.	MS METHANOL	1L	8,085.47
148.	MS DIMETHYL SULFOXIDE	1L	3,426.93
149.	MS WATER	2.5L	3,590.60
150.	2',3'-DIDEOXYINOSINE	5MG	15,283.20
151.	ACETONITRILE SOLUTION	10ML	28,489.51
152.	TRIFLUOROACETIC ACID	1L	15,734.17
153.	DHB Matrix	250MG	19,982.50
154.	CYCLOPHOSPHAMIDE MONOHYDRATE	5G	18,144.00
155.	DEOXYCYTIDINE	250MG	3,230.77
156.	DEOXYADENOSINE	500MG	1,604.89
157.	DEOXYGUANOSINE	100MG	8,769.22
158.	THYMIDINE	1G	1,604.89
159.	MTT	100MG	4,018.00
160.	Methylene blue	25G	3,441.00
161.	Ethanol	10L	7,000.00
162.	Mol grade DMSO	500ml	5,716.00
163.	Triton X 100	100 ml	5000
164.	NP 40	100 ml	5000
165.	Sodium deoxycholate	25mg	4500
166.	Sucrose	250 gm	4000
167.	Magnesium Chloride	250 gm	6000
168.	Acetone (HPLC grade)	1L	3500

169.	Ammonium acetate		25 mg	13000
170.	Ammonium bicarbonate (MS grade)		25 mg	4000
171.	Ethanol (molecular biology grade)		500 ml	20000
172.	Chloroform:isoamyl alcohol (molecular biology grade)		100ml	6000
173.	Acrylamide		1kg	10000
174.	Bis acrylamide		50 gm	4000
175.	Bromophenol blue		25G	2500
176.	Coomasie brilliant blue R		25G	7000
177.	Poncheau S		10G	4000
178.	Reprobe solution		500 ml	10000
179.	Tetrakis(triphenylphosphine)palladium(0)		5gm	20,947.50
180.	2-Fluorobenzoyl Chloride		25gm	2,394.00
181.	Tetrahydrofuran Anhydrous (stabilized with BHT)		500ml	4,588.50
182.	4-Methylpiperazine-1-ethanol		5gm	4,289.25
183.	3,3-Dimethylbutyraldehyde		25ml	36,009.75
184.	4-(3-Hydroxypropyl)morpholine		25gm	8,778.00
185.	Adenine		100gm	10922
186.	Sodium Azide		100gm	3756
187.	Boc Anhydride		500gm	8000
188.	Phthalimide		250gm	2000
189.	Hydrazine monohydrate		500gm	2100
190.	HATU		100gm	13600
191.	Triethyl amine		500ml	2600
192.	2-Amino-6-chloropurine		25gm	21000
193.	2,6-Dichloropurine		5gm	23924
194.	TRIFLUOROACETIC ACID		100ml	5676
195.	4-BROMOANILINE		250gm	2900
196.	CYCLOPENTANECARBOXYLIC ACID		50gm	10350
197.	BENZENESULFONYL CHLORIDE		250gm	1866
198.	18-DIAZABICYCL[5.4.0]UNDEC-7-ENE		100gm	5168
199.	Dimethyl aminoterephthalate		50gm	5,088
200.	Ammonium formate		100G	6,127.00
201.	4-Aminobenzylamine		50G	32,778
202.	(S)-(-)-3-Aminopyrrolidine		1G	17,222.00
203.	(R)-(+)-3-Aminopyrrolidine		1G	15,978
204.	1-Bromo-2-chloroethane		500g	19,800
205.	3-Aminopyrrolidine		5g	6,400
206.	3-Amino-1-(tert-butoxycarbonyl)pyrrolidine		1g	6,900

207.	3-(tert-Butoxycarbonylamino)pyrrolidine	5g	8,800
208.	4-(2-Aminoethyl)-1-boc-piperazine	1g	5,326.00
209.	Cyclopentylamine	25G	2,370.00
210.	4-Amino-1-Boc-piperidine	1g	7,306
211.	4-(tert-Butoxycarbonylamino)piperidine	1g	2,500
212.	N,N-Dimethylethylenediamine	25G	3,431
213.	N-Methylethylenediamine	25mL	13,100
214.	N,N,N'-Trimethylethylenediamine	25mL	9,000
215.	3-(Dimethylamino)-1-propylamine	25mL	1,851
216.	N-Methyl-1,3-diaminopropane	100G	4,016.00
217.	Tetrakis(triphenylphosphine)palladium(0)	25GM	34,400
218.	Bis(triphenylphosphine)palladium(II) dichloride	25GM	38,189
219.	6-Chloropurine	25GM	9,800
220.	Triphenylphosphine	100gm	1,800
221.	Formamide	500ml	6,500
222.	Oxalyl chloride	100gm	4,500
223.	Pyridinium dichromate	500gm	14,000
224.	Palladium on activated charcoal	50gm	36,000
225.	Palladium(II) Acetate	5gm	23,200
226.	Hydrochloric acid 4M in Dioxan	100ml	7,500
227.	Bromine	250gm	11,500
228.	4-Aminobenzylamine	25gm	10,700
229.	Methylamine	500ml	8,000
230.	dimethylamine	500ml	7,400
231.	Sodium hydride	500gm	4,800
232.	5-Aminonicotinic Acid	5gm	8,800
233.	4-(2-Aminoethyl)morpholine	100gm	5,300
234.	1-(3-Aminopropyl)imidazole	100gm	6,900
235.	Cyclohexanemethylamine	25mL	5,700
236.	Palladium Hydroxide	10gm	9,500
237.	6-Chloro-2,4-diaminopyrimidine	25gm	4,800
238.	Butylmagnesium chloride solution	100ml	6,030
239.	Isopropylmagnesium chloride	100ml	5,271
240.	Lithium bis(trimethylsilyl)amide solution	100ml	5,500
241.	2,4-Dinitrobenzoic acid	25gm	4,500
242.	4-(Trifluoromethyl)benzaldehyde	10gm	3,300
243.	[1,1'-Bis(diphenylphosphino)ferrocene]dichloropalladium(II), complex with dichloromethane	5gm	11,900
244.	1-Methoxy-2-propylamine	5gm	7,800

245.	(S)-1-Methoxy-2-propylamine		5gm	7,300
246.	1-(3-Aminopropyl)pyrrolidine		25gm	13,800
247.	4-Methylpiperidine		500ml	8,400
248.	2-Nitrobenzyl Bromide		25gm	10,900
249.	2,4-Difluorobenzyl Bromide		25gm	9,500
250.	4-Chloro-2-fluorobenzyl Bromide		5gm	6,800
251.	2-Aminobenzotrifluoride		25mL	4,500
252.	Iodomethane solution		100ml	8,800
253.	4-Chlorophenylmagnesium bromide solution 1.0 M in diethyl ether		100ml	5,700
254.	6-Chloropyridine-3-carboxylic acid		25gm	8,000
255.	Methyl 6-chloropyridine-3-carboxylate		25gm	18,000
256.	Isonicotinic acid		100gm	3,500
257.	3-Methoxybenzoic acid		100gm	5,700
258.	2-Nitrophenylacetic Acid		25gm	5,700
259.	3'-Methoxyphenacyl Bromide		25gm	8,400
260.	4-Iodobenzaldehyde		5gm	9,800
261.	5-Bromoanthranilic Acid		25gm	8,900
262.	burgess reagent		5gm	11,200
263.	3-Fluorobenzenesulfonyl Chloride		25gm	14,200
264.	3-Chlorobenzenesulfonyl Chloride		5gm	7,300
265.	4-Methoxybenzenesulfonyl Chloride		100gm	11,900
266.	2,4-Difluorophenylacetic Acid		5gm	8,500
267.	2-Nitrophenylacetic Acid		25gm	5,700
268.	Chloroform		25litrs x 25	89250
269.	Ethyl Acetate		25litrs x 20	67200
270.	Hexane		25litrs x 15	50400
271.	Methanol		25litrs x 15	31500
272.	Acetone		25litrs x 10	26250
273.	Dichloromethane		25litrs x 10	35700
274.	shSnail		25µg	30000
275.	Tet-on-shsnail		25µg	35000
276.	Tet-on-shsnail		25µg	35000
277.	Tet-on-shRad18		25µg	35000
278.	Tet-on-shRad18		25µg	35000
279.	pPB[ncRNA]-EGFP/Neo-		25µg	40000

	EF1A>hMIR3163[NR_036121.1] (25µg)			
280.	pPB[Exp]-EGFP/Puro- EF1A>hBRCA1[NM_007300.4]		25µg	40000
281.	pRB[Exp] EGFP/Puro-Rad18		25µg	40000
282.	Tet-on-POLH/POLI		25µg	35000

Bio-Chemicals				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	Protein ladder	3 colour, prestained, 2X250 µl	4	44564.00
2.	Brefeldin.	Inhibitor, 1mg.	2	14868.00
3.	CFSE.	Fluorescent cell staining dye.	1	12023.00
4.	Trypsin EDTA (0.25%).	0.25% TE, cell dissociator, animal origin,100ml.	2	8622.00
5.	Antibiotics (Kanamycin Sulphate, Gentamicin sulphate Meets USP, Colistin sulphate, Vancomycin HCL, Metronidazole bioextra)	Kanamycin Sulphate from Streptomyces kanamyceticus (5 g), Gentamicin sulphate (250 mg) Meets USP testing SP, Colistin sulphate (1 g), Vancomycin HCL (1 g), Metronidazole bioextra (25 g)	1 (each)	65517.00
6.	Medium-199	With phenol red, L-glutamine, without HEPES, 500 ml	10	28908.00
7.	Recombinant Cas9 Protein With NLS	Cas9 protein with Nuclear localising signal 250 µg (5*50 µg)	1	66000.00
8.	T7 Transcription kit	T7 polymerase kit for in-vitro transcription	2	50000.00
9.	HPLC purified oligos	HPLC purified oligos for guide RNA synthesis,	200	40000.00
10.	Fetal Bovine Serum	Endotoxin level <5 EU/ml, Haemoglobin level <15 mg/dL, heat inactivated, species origin cattle/bovine, 500 ml	20	888865.00
11.	B-27 supplement (50x)	10ml, serum free	01	10000
12.	Accutase	500ml	01	12400
13.	Goat serum(100ML)	500ml; Quality Level:200; sterile-filtered; liquid; concentration :400-600 units/mL; ell culture mammalian: suitable; pH: 6.8-7.8	01	10000
14.	Donkey serum(50 ML)	Format: serum,Presentation:nonsterile serum,unfiltered,no preservative,Key Applications: Blocking of interfering antibodies,Host: donkey	01	10000
15.	F12	1000ml	01	4300
16.	DMEM	500ml	04	11200

17.	DMSO	100ml, for HPLC, ≥99.7%	01	3000
18.	Alpha-glucosidase and alpha-amylase	-	2	30000
19.	recombinant bid protein			
20.	FBS heat inactivated		1	45,000
21.	M199 media Earle's salt without sodium bicarbonate		1	11,220
22.	Apoptosis kit FITC (already indented)			28000
23.	RPMI		2	4000
24.	Ethanol EMSURE grade		3	2300
25.	Acetonitrile HPLC grade			900
26.	Water HPLC grade			350
27.	Assay Kit	Cell based assay kit for NAD/NADH Quantification	1	38,000
28.	Fluorescent Screening Assay kit	Direct Fluorescent Screening Assay kit for SIRT3 detection	1	38,000
29.	Nicotinamide riboside	Involved in nicotinamide and nicotinate metabolism	1	18,000
30.	Clotrimazole	Hexokinase2 dissociator	1	4000
31.	3-Mercaptopicolinic Acid (hydrochloride)	Gluconeogenesis inhibitor	1	25,000
32.	UK-5099	Inhibitor of mitochondrial pyruvate inhibitor	1	19,000
33.	FCCP	Uncoupler of mitochondrial oxidative phosphorylation	1	10,000
34.	STF	Inhibitor of the endonuclease activity of IRE-1	1	6,000
35.	W-146	S1PR1 inhibitor	1	19,000
36.	Oligomycin	ATP Synthase inhibitor	1	25,000
37.	Rotenone	Mitochondrial Complex 1 inhibitor	1	6,000
38.	Antimycin-A	Mitochondrial ETC complex III inhibitor	1	7,000
39.	DON	Glutaminolysis inhibitor	1	6,500
40.	8-bromo-CADPR	Antagonist of cyclic ADP ribose	1	21,000
41.	CB-839	GLS-1 inhibitor	1	17,000
42.	PMA	PKC activator	1	11,000
43.	Methyle beta cyclodextrin	Used for cholesterol depletion	1	22,000
44.	Recombinant Human IL2		1	9487.22
45.	Recombinant Murine IL2		1	23126.04
46.	Cell culture Media		20L	129760
47.	FBS		2L	177773
48.	Serum replacement		500ML	40060
49.	Antibiotic		500mlx2	40000
50.	Trypsin		1L	11096
51.	SYBR green		15ml	48000
52.	MS grade trypsin		400ug	25720
53.	COLLAGENASE		100MG	6,986.01
54.	HYALURONIDASE		100MG	4,395.10
55.	EGF		100ug	40710
56.	FGF		50ug	52830

57.	Insulin		5ml	10800
58.	RNA stabiliser		500ml	16000
59.	Protein ladder (10-200 kDA)		500ul	10000
60.	Restriction enzyme		6X100 ul	45000
61.	LB agar (powder)		500 gm	5000
62.	LB medium (powder)		500 gm	5000
63.	salmon sperm DNA		1gm	10000
64.	Yeast tRNA		1gm	10000
65.	BSA		100 gm	20000
66.	Trizol		200ml	6000
67.	Steptavidin magnetic bead		2 ml	50000
68.	RIPA Buffer		50 ml	5000
69.	Lysotracker		50 ul	38000
70.	Nerve growth factor (NGF)		0.1mg	34000
71.	Glutamine and pyruvate free DMEM medium		10 packets	10000
72.	Polybrene		50 ul	50000
73.	DMEM		500ML	27814.08
74.	FBS- CERT- USA ORIGIN,		500ML	83033.8
75.	PENICILLIN STREPTOMYCIN SOL,		100ML	2302.13
76.	ANTIBIOTIC ANTIMYCOTIC,		100ML	4318.33
77.	SODIUM PYRUVATE SOL,		100ML	1107.08
78.	MEM NEAA- 100X,		100ML	2073.8
79.	HEK-Blue™ Selection		10 x 1 ml	1600
80.	Blasticidin		100 mg	29000
81.	Zeocin™		1 g	25000
82.	Normocin		1 g	29000
83.	Cell line HCT-116, CT-26, MCF7, HeLa, etc			
84.	PRMT1 human		20 uG	50,000
85.	Streptavidin Coated Plates		96-Well	20,000
86.	Histone H4 Peptide, biotin conjugate			20,000
87.	[3H] S-adenosylmethionine			1,00,000
88.	M199 media		500ml	40000
89.	Fetal bovine serum for cell culture		500ml	82500
90.	folic acid		100g	34,210.31
91.	adenine		100g	24,000.00
92.	Hemin		10g	33,743.95
93.	50ml tubes, sterile, cell culture		500pc/pk	30000
94.	filter units, 0.22 micron, 500ml		12 per box	60000
95.	0.22 micron fliter, 33mm		50 pc/pk	22000
96.	0.22 micron filter, 4mm		100pc/pk	58920.4
97.	PenStrep media supplement		100ml	6000
98.	DMSO for cell culture		25 ml	6000
99.	Trypsin/EDTA		100 ml	23000
100.	McCoy's 5A		500 ea	3000
101.	DMEM		500 ml	3500
102.	RPMI		500 ml	3200

Glasswares				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	μ slide.	Cell culture slide.	1 box.	13410.00
2.	Chambered slide.	4 chambered slides.	2 boxes	27600.00
3.	COVERSLIP,MICROSCOPY(24X50-1)	Premium superslip, build in moisture resistance,(dimension:24 x 50-1 mm),thickness 0.13 to 0.17 mm,shape-rectangular	15	22500
4.	LABORATORY GLASS BOTTLES(2 LITRE)	with DIN thread,graduated,clear,with PP Screw cap and PP Pouring ring,autoclavable upto 140 degree	05	5500
5.	LABORATORY GLASS BOTTLES(1 LITRE)	with DIN thread,graduated,clear,with PP Screw cap and PP Pouring ring,autoclavable upto 140 degree	10	7000
6.	LABORATORY GLASS BOTTLES(500 ML)	with DIN thread,graduated,clear,with PP Screw cap and PP Pouring ring,autoclavable upto 140 degree	10	4000
7.	RB, Conical and standard joint flask	10 ml – 2 lit	100	25000
8.	biorad mini PROTEAN short plate		1 pk(1X5)	5000
9.	Glass desiccator (Big) with knob top 30cm REMCO		3	22650
10.	TLC chamber (small) 250 ml.		10	1800
11.	Funnel (medium) 75mm		10	540
12.	Glass Adapter (B-24-B14)		20	1700
13.	Glass Adapter (B-14-B24)		20	2100
14.	Glass Adapter (B-29-B14)		20	2700
15.	Glass Adapter (B-19-B14)		20	1500
16.	Glass Adapter (B-14-B19)		20	1800
17.	Glass Adapter (B-19-B24)		20	1900
18.	Glass Adapter (B-24-B19)		20	2300
19.	compact distillation setup (B24-B24) 30cm		10	9800
20.	Column with B24 socket & PTFE stopcock 35mm dia. X 67cm ht.		5	5500
21.	Column with B24 socket & PTFE stopcock 30mm dia. X 67cm ht.		5	4625
22.	Column with B24 socket & PTFE stopcock 20mm dia. X 67cm ht.		5	3625
23.	Drop Bottle 100ml [borosil]		20	5000
24.	Separating Funne 1000 ml. with PTFE key stopcock		1	1150
25.	Vial for HPLC and mass		1000	10000
26.	Cartrage for flash chromatography		20	4000
27.	Prepack Column for flash chromatography		20	60000
28.	TLC plate-precoated GF254		10 BOX	70000

Plasticwares including Pipettes and Micropipettes				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	Cell culture dish	60X15 mm standard polystyrene TC-treated Cell culture dish, sterile 500/case	2 cases	24418.00
2.	Cell scraper	18 cm handle and 1.8 cm blade, 100/case	2 cases	16871.00
3.	Serological pipet	10 ml (200/case)	5 cases	19612.00
4.	Cell strainer	40 µm, 50/case	4 cases	33019.00
5.	Femtotip	Microcapillary for microinjection compatible with injectman 4 micromanipulator system	10	126000.00
6.	MICROSCOPIC SLIDES STORAGE BOX(25 PLACE)	polystyrene,durable	100	10000
7.	MICROSCOPIC SLIDES STORAGE BOX(50 PLACE)	polystyrene,durable	50	10000
8.	COPLIN JAR	Polypropylene	12	780
9.	Cell strainer 40um	Strong nylon mesh with 40- micron pores, sterile	03	18000
10.	Upright Freezer dryer rack	12 place with size 11.3 x 6.9 inch	02	20000
11.	Mouse restrainer head & tail access	0-35 gram	01	15000
12.	Blood collection tubes- 100/pack		01	1000
13.	T75 culture flasks			
14.	Microtips 0.2-10ul		5	2600
15.	Microtips 2-200ul		5	2000
16.	Microtips 1000ul		5	1500
17.	PCR tubes flat cap 200ul		5	10000
18.	0.5ml microcentrifuge tubes		1000*10	7500
19.	48 well plate	Flat bottom Cell culture treated	1 box	25000.00
20.	96 well plate	U bottom Cell culture treated	1 box	20000.00
21.	5 ml polystyrene tube	Round bottom Sterile	1 box	13000.00
22.	15ml tube	Conical Propylene High clarity Sterile	1 box	11000.00
23.	50ml tube	Polypropylene, Conical bottom Sterile	1 box	13000.00
24.	75 Cm ² flask	Cell culture treated Vent Cap	1 box	8000.00
25.	1000ul tips		100	73237.5
26.	200ul tips		100	67095
27.	10ul tips		100	60952
28.	0.6ml centrifuge tubes		10	17117.1
29.	1.5ml centrifuge tubes		10	6142.5
30.	2ml centrifuge tubes		10	7512.75
31.	Ultralow attachment plate (6-well)		3	68799
32.	Ultralow attachment plate (100mm)		3	104388

33.	TC treated flask (T-25)		20	18268
34.	TC treated flask (T-75)		20	14237
35.	Pipette 5ML		10	36950
36.	Pipette 10ML		10	43660
37.	TC treated 6-well plates		2	30792
38.	TC treated 96-well plates		1	25000
39.	Biorad casting tray (agarose gel electrophoresis)		1	1000
40.	Magnetic rack		1	30000
41.	Flask Stand, 160 mm, 6 pc/pk		20	3553.4
42.	Buchner Funnel, 70 mm Dia		10	2205
43.	Storage Vial, Cap.: 10 Sterile, 300 per pack		2	3262
44.	Storage Vial, Cap.: 5Sterile, 500 per pack		2	4756
45.	Polygon Magnetic Stirrer Bar, 6x10 mm, 10per pack		6	6006
46.	Funnel, 35 mm dia , 36 per pack		2	676
47.	Polygon Magnetic Stirrer Bar, 8x14 mm, 10per pack		6	6654
48.	Funnel, 55 mm dia , 36 per pack		2	786
49.	Parafilm M® 4" x125'		10	18330
50.	Micro Tips, Cap: 2-200µl, 1000 per pack		20	7100
51.	Powder Funnel, 65mm dia, 36 per pack		2	1126
52.	Powder Funnel, 80mm dia, 36 per pack		2	1572

Filter Papers & Filtration Kit				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	Syringe filter	0.22 micron, sterile, PES, 50/box	2 boxes	8879.00
2.	0.2u Filtration units			
3.	Filtration unit	Compatible with syringe 0.22µm poresize	2	Rs. 12,000
4.	High throughput gDNA extraction kit		480 prep	155596
5.	Annexin PI Kit		100 rxn	17000
6.	Mitochondria labeling dye		1mg	36043
7.	RNA extraction kit		96 prep	52000
8.	CDNA synthesis kit		50 rxn	40000
9.	Protein Biotinylation kit		30 rxn	66000
10.	Gateway cloning kit		20 rxn	15000
11.	TA cloning kit		20 rxn	100000
12.	Qiaprep spin miniprep kit		50 rxnx2	20000
13.	Gel extraction kit		50 rxn	10000
14.	PCR purification kit		50 rxn	10000
15.	BCA protein estimation kit		1kt	30000

16.	High throughput gDNA extraction kit		480 prep	155596
17.	Millipore Filtration unit		1pk	20000
18.	0.2 um syringe filter		1pk	2000

Oligos				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	Custom primer synthesis (Wnt5A and crispr primers)	Scale-0.02 µmol, desalted	204 bases	4,884.00
2.	WISP3 targeted morpholino & Control morpholino.	Morpholino oligo.	1+1	150255.00
3.	WISP3 targeted siRNA & Control siRNA.	siRNA.	2+9	98204.00
4.	Custom Primer synthesis.	Custom oligo, desalted.	125 bases.	2468.00
5.	shRNA for MIC60			
6.	DNA THF Oligo (order in progress)			85000
7.	Sh RNA ELAVL1	Targeting human ACAT gene	1	80,000.00
8.	Sh RNA SIRT3	Targeting human SIRT3gene	1	80,000.00
9.	Sh RNA XBP1	Targeting human XBP1 gene	1	80,000.00
10.	Sh RNA ERN1	Targeting human ERN1 gene	1	80,000.00
11.	Oligonucleotides for RT-PCR	For SYBER Green based reactions		2,00,000.00
12.	CD63 siRNA			35000
13.	Plasmid		20	600000
14.	Primers		200	80000

Antibodies				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	Ubiquityl-PCNA		100µg	40000
2.	(Lys164)(D5C7P) Rabbit mAb		100µg	35000
3.	Phospho -p44/p42 MAPK ERK		100µg	30000
4.	Cleaved caspase-3		100µg	30000
5.	PARP-1		100µg	30000
6.	Lamin B1 Rabbit mAb		100µg	40000
7.	p53		100µg	30000
8.	PE-CD117		100 test	30000
9.	FITC-CD163 antibody		100 test	30000
10.	PE-CD16 antibody		100 test	35000
11.	Recombinant human arginase		100 test	25000
12.	Purified MC1 antibody		100 test	25000
13.	PE-CD133 antibody		100 test	30000

14.	FITC-CD44 antibody		100 test	35000
15.	PE-CD24 antibody		100 test	35000
16.	PE-CD117 antibody		100 test	40000
17.	Anti-mouse CD44 antibody	APC conjugated, 0.1 mg, Raised in Rat	1 vial	24972.00
18.	Anti-mouse CD11c antibody	APC conjugated, 0.1 mg, raised in Armenian hamster	1	27910.00
19.	Anti-mouse CD209B antibody	50 µg, raised in Armenian hamster	1	8191.00
20.	Anti RNA Polymerase II antibody.	Specific for Human, Mouse, Rat, Drosophila, Yeast (<i>S. cerevisiae</i>), Zebrafish, ChIP and western grade, monoclonal, raised in mouse, 100 µg	1	32818.00
21.	Anti-rat secondary antibody.	Alexa-flour 488 conjugated, raised in goat, 1 mg.	1	17821.00
22.	Anti-hamster secondary antibody.	Alexa-flour 647 conjugated, raised in goat, 1 mg.	1	17011.00
23.	Anti-mouse CD8 antibody	BV605 conjugated, raised in rat, 50 µg	1	25000.004
24.	Anti-rat antibody	Secondary, HRP-conjugated	1	15000.00
25.	Phospho S6 ribosomal Protein Antibody	Immunofluorescence	1	30000
26.	ALEXA FLUOR 568 GOAT ANTI RABBIT ANTIBODY	Secondary antibody,Host: goat,Target species:Rabbit,Conjugate:Alexa Fluor 568, Application; ICC,IF,IHC	1	16000
27.	ALEXA FLUOR 488 GOAT ANTI MOUSE ANTIBODY	Secondary antibody,Host: goat,Target species:Mouse,Conjugate:Alexa Fluor 488, Application; ICC,IF,IHC	1	16000
28.	ALEXA FLUOR 488 GOAT ANTI RAT ANTIBODY	Secondary antibody,Host:goat,Target species:Rat,Conjugate Alexa Fluor 488, Application: IHC,IF,ICC	1	16000
29.	Prox1 antibody	Immunofluorescence,Species Reactivity: H,M,R,Ch; Key Applications: IHC,WB,Host: M;Format: purified, Antibody Type: Monoclonal Antibody	1	42000
30.	Pax6 antibody	100ul; Immunofluorescence,Isotype: Rabbit Polyclonal IgG,	1	26000
31.	BLBP Antibody	Immunofluorescence,Species Reactivity: M,R,Ch; Key Applications: IHC,WB,ICC/IF,Host: R;Format: purified, Antibody Type: Polyclonal Antibody	1	40000
32.	Vimentin antibody	Immunofluorescence,	1	35000
33.	Calretinin Antibody	Immunofluorescence,	1	35000
34.	Calbindin Antibody	Immunofluorescence, unconjugated clone, CB-955, monoclonal,	1	35000

		biological source :mouse		
35.	Sox9 Antibody	Immunofluorescence, Species Reactivity:H, M, R, Ch ;Key Applications : IHC, WB, CHIP, CHIP-seq, ICC, IF;Host: Rb ; Format : Affinity Purified;Antibody Type: Polyclonal Antibody	1	39000
36.	PH3 Antibody	Immunofluorescence, Histone H3 ,Suitable for: WB, ICC; Reacts with: Human; Isotype: IgG2a	1	35000
37.	KI67 ANTIBODY	Immunofluorescence,Species Reactivity; M,H; Key Applications: IHC,ICC,Host; Rabbit;Format: Immunogen affinity purified; Antibody Type;Polyclonal	1	35000
38.	Reelin Antibody	Immunofluorescence, Species Reactivity;H, M, R Key Applications: IHC, WB; Host :M; Format: Purified; Antibody Type: Monoclonal Antibody	1	40000
39.	DOUBLECORTIN ANTIBODY	Immunofluorescence,Species Reactivity: R,M;Key Applications: IHC,WB,ICC,Host: Gp; Format : Purified; Antibody type: Polyclonal antibody	1	35000
40.	S100B ANTIBODY	Immunofluorescence, Species reactivity: H,RB, G, B;	1	35000
41.	Anti MIC60			
42.	Anti PHB2			
43.	Anti LC3			
44.	CD4	Anti-mouse FITCconjugate Clone GK1.5	1	13000.0 0
45.	CD8a	Anti-mouse FITCconjugate Clone53-6.7	1	13000.0 0
46.	CD4	Anti-Human AlexaFluor®488Conjugate CloneRPA-T4	1	32000.0 0
47.	CD8	Anti-human PE/Cyanine7Conjugate HIT8a	1	37500.0 0
48.	CD8	Anti-human AlexaFluor®700Conjugate CloneHIT8a	1	32000.0 0
49.	IFN- γ	Anti-mouse APCconjugate CloneXMG1.2	1	17000.0 0
50.	CD127	Anti-human(IL-7R α) APC conjugate	1	37500.0 0

		CloneA019D5		
51.	CD4	Anti-human APC/Cyanine7conjugate CloneRPA-T4	1	37500.0 0
52.	CD8a	Anti-mouse AlexaFluor®700conjugate Clone53-6.7	1	27500.0 0
53.	TCRβ Chain	Anti-mouse AlexaFluor®647conjugate CloneH57-597	1	27500.0 0
54.	CD3	Anti-mouse AlexaFluor®conjugate Clone17A2	1	27500.0 0
55.	CD69	Anti-mouse FITCconjugate CloneH1.2F3	1	35000.0 0
56.	IFN-γ	Anti-mouse PEconjugate CloneXMG1.2	1	14500.0 0
57.	TCR Vβ5.1	Anti-mouse FITCconjugate CloneMR9-4	1	38000.0 0
58.	CD39	Anti-mouse PE/Cyanine7conjugate CloneDuha59	1	46000.0 0
59.	TGFβ-1	Monoclonal ForKnockdown	1	41000.0 0
60.	CD8a	Anti-mouse APC/Cyanine7conjugate Clone53-6.7	1	20000.0 0
61.	CD8a	Anti-mouse Percp/Cyanine5.5conjugate Clone53-6.7	1	30000.0 0
62.	FOXP3	Anti-human APCconjugate ClonePCH101	1	42000.0 0
63.	FOXP3	Anti-mouse APCConjugate CloneFJK-16S	1	42000.0 0
64.	FOXP3	Anti-mouse PE/Cyanine7conjugate CloneFJK-16S	1	48000.0 0
65.	Phosphor-S6	Anti-HMRMkMiSc AlexaFluor®647Conjugate CloneD57.2.2E	1	30000.0 0
66.	CD363 (S1PR1)	Anti-Human eFluor 660Conjugate CloneSW4GYPP	1	40000.0 0
67.	SMAD2/3	Phosphorylationantibody	1	30000.0

		AlexaFluor®647Conjugate CloneO72-670		0
68.	STAT3	Anti-mouse APCConjugate CloneM59-50	1	30000.0 0
69.	CD25	Anti-mouse Biotin Clone-7D4	1	25000.0 0
70.	CD45R/B220	Anti-mouse Biotin Clone-RA3-6B2	1	26000.0 0
71.	Ly6G and Ly6C	Anti-mouse Biotin Clone-RB6-8C5	1	25000.0 0
72.	CD44	Anti-mouse Biotin Clone-IM7	1	25000.0 0
73.	CD4	Anti-mouse Biotin Clone-RM4-5	1	24000.0 0
74.	CD11b	Anti-mouse Biotin Clone-M1/70	1	26000.0 0
75.	Ms Erythroid Cell	Anti-mouse Biotin Clone-TER119	1	26000.0 0
76.	CD19	Anti-mouse Biotin Clone-RM4-5	1	27000.0 0
77.	Streptavidin particles	DM-1 x109	1	53000.0 0
78.	TCF1/TCF7	Anti-mouse Alexa647 Clone-S33-966	1	22000.0 0
79.	CD25	Anti-HUMAN PE-Cy7 Clone-M-A251	1	31000.0 0
80.	CD3	Anti-HUMAN BV711 Clone-OKT3	1	50000.0 0
81.	TIM3	Anti-HUMAN BV-421 Clone-7D3	1	37000.0 0
82.	LAG3	Anti-HUMAN Biotin Clone-T47-530	1	49000.0 0

83.	IFNG	Anti-HUMAN APC Clone-4S.B3	1	33500.0 0
84.	SMAD2/3	Anti-HUMAN/MOUSE Alexa647 Clone-O72-670	1	24500.0 0
85.	CD38	Anti-HUMAN BIOTIN Clone-4S.B3	1	27500.0 0
86.	Anti-mouse CD3	Activationantibody Purifiedantibody Clone-145-2C11	1	45500.0 0
87.	Anti-mouse CD28	Activationantibody Purifiedantibody Clone-37.51	1	45500.0 0
88.	Anti-human CD3	Activationantibody Purifiedantibody CloneOkt-3	1	45500.0 0
89.	Anti-human CD28	Activationantibody Purifiedantibody Clone-9.3	1	45500.0 0
90.	Anti-mouse	Inhibitionantibody	2	280000. 00
91.	PD1(Cd279)	Purifiedantibody RMP1-14		
92.	Anti-mouse IL-4	Inhibitionantibody Purifiedantibody Clone-11B11	1	45500.0 0
93.	Anti-mouse IFN- γ	Inhibitionantibody Purifiedantibody Clone-XMG1.2	1	45500.0 0
94.	Anti-human IL-4	Inhibitionantibody Purifiedantibody Clone-MP4-25D2	1	45500.0 0
95.	Synaptophysin			45000
96.	Homer			45000
97.	Rat HRP-conjugated secondary			25000
98.	LAMP1 (host-mouse)			45000
99.	Integrin- β			45000

R&D Consumables if not covered by above category				
Sl. No.	Generic Name	Specification	Quantity	Approx Cost (Rs.)
1.	CrTac:NCR-Foxn1nu(NCRNU-mice)		72	300000
2.	FACS analysis software		1	250000
3.	Hydrophilic polyvinylidene fluoride (PVDF) membranes	23.5X3.75m roll PVDF 0.45 µm, 1 roll	2 rolls	38960.00
4.	Mini magnetic column	For cell isolation, 25 pcs/box	1	27387.00
5.	C28/I2 cell line.	Cell line.	1	120759.00
6.	MHC-I tetramer/ PE-H-2Kb OVA (Siinfekl)	500 µl (50 tests)	1	112120.00
7.	PAP PEN for Immunofluorescence	5mm width	01	5200
8.	Forceps	fine/ watchmakers/ blunt	04	1200
9.	Scissors	fine/ 5"/6"/7"; curved/ straight	04	1200
10.	Spatula	Bent at edges	2	400
11.	HPLC syringe filters, vials and other HPLC consumables	HPLC grade	-	110000
12.	Plant material, extracts, markers etc	AR grade	-	60000
13.	General lab consumables, stationary, etc	-	-	25000
14.	HPLC column	HPLC grade	2	100000
15.	PVDF membrane			
16.	Nitrocellulose membrane			
17.	Mouse CD8 cells isolation kit	Mouse ForgettingpurifiedCD8cells.	1	72,500
18.	Mouse CD4 Cells isolation kit	Mouse ForgettingpurifiedCD8cells.	1	73,000
19.	Mouse TCells isolation kit	Mouse ForgettingpurifiedCD3cells.	1	72,000
20.	Human T Cells isolation kit	Human ForGettingpurifiedCD3cells.	1	72,000
21.	Human CD8cells isolation kit	Human ForgettingpurifiedCD8cells	1	73,000
22.	Human CD4 Cells isolation kit	Human ForgettingpurifiedCD4cells	1	73,000
23.	Mouse CD11b Cells isolation kit	Mouse ForgettingpurifiedCD11b cells	1	103000
24.	Biotin Binder	PositiveSelectionKit Reactivewithallspecies Compatible with flow cytometer.	1	103000
25.	Nitrocellulose membrane		1pk (0.2 um)	50000