



CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY (CEMB),  
CEMB-87-West Canal Bank Road,  
Thokar Niaz Baig, Lahore



**TENDER NOTICE**  
JANUARY 2026 NP 07

**PROCUREMENT OF EQUIPMENT AND MATERIAL REQUIRED ON ANNUAL  
CONTRACT BASIS**

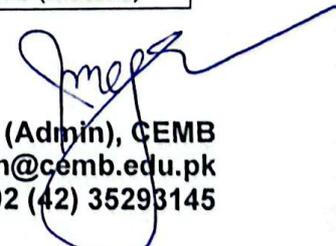
Sealed tenders/quotations under **Single Stage-Two Envelopes (SSTE) Bidding as well as through e-procurement** are invited from interested Manufacturers / Authorized / Sole Distributor/Contractors/Suppliers for the supply of required material on annual contract basis (Lot 1, 2, 3, 4, 5 & 6 respectively). The tender documents can be downloaded from the ePADS or Centre's website. Please deposit the payment in the Centre's Account (mentioned below) as a non-refundable fee of PKR-1000/- (for each Lot). The bidder can apply for either or all Lots as desired.

Lot No.	Lot Category	Estimated Cost	Bid Security Required
1	Chemicals	20,000,000	2% of the estimated cost Rs. 400000/= (to be attached with technical bid)
2	Labware	5,000,000	2% of the estimated cost Rs. 100000/= (to be attached with technical bid)
3	General Items	2,500,000	2% of the estimated cost Rs. 50000/= (to be attached with technical bid)
4	Kits	8,500,000	2% of the estimated cost Rs. 170000/= (to be attached with technical bid)
5	Cell Lines	2,500,000	2% of the estimated cost Rs. 50000/= (to be attached with technical bid)
6	Equipment	1,500,000	2% of the estimated cost Rs. 30000/= (to be attached with technical bid)

All bids must be accompanied by a Bid Security (package wise as specified) in the amount stated above in the shape of CDR in the Name of "Director, Centre of Excellence in Molecular Biology (CEMB)" and must be delivered at Purchase Section CEMB, University of the Punjab, Lahore before **26.01.2026** in sealed envelopes. Technical Bids will be opened at 10:30 AM on **26.01.2026** in the presence of bidder's representatives who choose to attend at the same address. **All the technical and financial bids must be uploaded on e-procurement portal. The CDR and Tender fee must be provided to the office before the bid closing date, otherwise bid will not be considered.**

The Director CEMB reserves the right to reject any or all tenders. Nothing will be received on the opening date. Tender documents will be available immediately after publication /up-loading of tender notice. If there is a public holiday announced by the Government on the tender opening date, then the tender will be opened on the next working day. This tender notice is available at EPAD, as well as on the website of the CEMB ([www.cemb.edu.pk](http://www.cemb.edu.pk)). Interested bidders may also submit their bids by downloading bidding documents from the website and submit with requisite fee as mentioned above in shape of bank draft/pay order or through online transfer. The results of the technical /tender opening Committee shall be announced loudly.

<b>Bank Name:</b> National Bank of Pakistan
<b>Branch Name:</b> Tech Society Branch
<b>Branch Code:</b> 1917 <b>A/C No:</b> 3253816775
<b>Title of Account:</b> Centre of Excellence in Molecular Biology University of the Punjab (Income)

  
**HEAD (Admin), CEMB**  
Email: [admin@cemb.edu.pk](mailto:admin@cemb.edu.pk)  
Phone: +92 (42) 35293145

General Terms & Conditions

1	First page should be the Check List of Technical Bidding Documents and second one Covering letter containing Tender Cost, quoted brand/Manufacturer Names, CDR Bank Name No. Date.
2	Authorization: Suppliers must provide official documentation (e.g., authorization certificate, sole distribution letter) from the original manufacturer.
3	Origin and Verification: Products must originate from the USA, Europe, Spain, Korea or Japan. Batch numbers and Material Safety Data Sheets (MSDS) must be verifiable through recognized online resources.
4	Regulatory Compliance: Suppliers must comply with all applicable regulations, including but not limited to ISO 9001, ISO 17025, GMP, FDA, and REACH
5	Warranty//Expiry: A minimum one-year warranty/Expiry from the date of delivery, or the original manufacturer's warranty (whichever is longer), applies to all originally sealed supplies.
6	Non-Compliance: Failure to fulfill supply orders, deliver defective products, or rectify defects within the warranty period may result in penalties, including forfeiture of performance security
7	Delivery Delays: Unjustified delivery delays beyond the agreed-upon timeframe will incur a penalty of 0.5% per day, up to a maximum of 10% of the total order value. This penalty will be deducted from invoices/bills
8	Certificate of Analysis (CoA): A CoA verifying product purity and composition is required for each chemical.
9	Supporting Documentation: Suppliers must provide Technical Data Sheets (TDS) outlining product specifications and MSDS/SDS for safety and handling information
10	Please quote only Ready Stock items.
11	Please quote only one relevant rate for each item and clearly mention Reference & GST separately.
12	Please quote rate according to our required unit.
13	Please mention our tender serial number on your Quotation / Tender.
14	Quotation Should Not Be Hand written.
15	Quoted rates validity should be 180 days from the date of opening.
16	Every envelope Tender should be marked with word "Tender" and Reference No. NP 06 March 2025
17	Deduction of income tax and other taxes of any kind will be deducted according to government prevailing rules.
18	Only registered suppliers who are on active Tax Payer List (ATL) of FBR eligible to supply goods/services.
19	Documents must be uploaded on EPAD as well as submit the hard copy in shape of Hard binding to the office. Before closing time mentioned in documents.
20	Procurement shall be governed by the PPRA Rules.
21	If there is any question/confusion about the description/specification of the material please visit the Centre.

## Lot 01 Chemicals

The Company/Manufacturer/Catalog numbers are mentioned only as a reference to avoid ambiguity in model, variant, size, grade, or configuration.

Sr.#	Description	Brand/Manufacturer/Company or equivalent	Catalogue #	Pack Size	Qty.
1	100bp DNA Ladder	Thermo Fisher Scientific (Fermentas) or Equivalent	SM1143 (50µg)	50ug	5
2	10mM dNTP mix	Life Technologies (Invitrogen / Gibco) or Equivalent	18427088	1ml	5
3	10X Phosphate Buffered saline, 7.4	Life Technologies (Invitrogen / Gibco) or Equivalent	AM9625	500ml	10
4	10X T4 DNA Ligase Buffer	Thermo Scientific or Equivalent	B69	1.5ml	5
5	10xTaq Buffer with KCl	Thermo Fisher Scientific (Fermentas) or Equivalent	B38	1.25ml	4
6	2- Propanol	Merck or Equivalent	109634	2.5 L	15
7	2,4,6-Trimethyl benzaldehyde	Merck or equivalent	822175	10 ml	5
8	2-mercaptoethanol	Sigma Aldrich or Equalant	M6250-500ML	500ml	5
9	2-Propanol	Sigma Aldrich or Equalant	24137-2.5L-R	2.5 L	10
10	6X DNA Loading Dye	Thermo Fisher Scientific (Fermentas) or Equivalent	R0611	1ml	10
11	Absolute ethanol (100%)	Merck-Sigma or Equivalent	1009832511	2.5 L	10
12	Acetaldehyde	Sigma or equivalent	8000042500	2.5L	5
13	Acetic acid	Sigma Aldrich or Equalant	45726	2.5L	5
14	Acetic Acid Glacial	Merck or equivalent	1.00056	2.5L	5
15	Acetone	Sigma Aldrich or Equalant	24201-2.5L-R	2.5 L	10
16	Acetone	Merck or equivalent	1401095	2.5L	5
17	Acetonitrile	Sigma Aldrich or Equalant	27,071-7	2.5L	5
18	Acetylthiocholine Chloride Substrate	Merck or equivalent	A5626	1g	5
19	AChE (4U/ml)	Merck or equivalent	C3389-500UN	500 units	5

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20	Acrylamide powder	Merck or Equivalent	A3553-500G	500g	5
21	Acrylamide/ Bis acrylamide	Acros or equivalent	BP1410-01	1L	5
22	Acrylamide/ Bis acrylamide 30% solution	Sigma Aldrich or Equalant	A3699	100ml	5
23	Agar	Bioworld or Equivalent	40100383-3	500G	10
24	Agarose	Thermo scientific or Equivalent	R0492	500 gm/pk	10
25	Agarose (low EEO)	Thermofisher Scientific or Equivalent	R0492	100g	5
26	Agrobacterium LBA4404 Cell	Thermo Fisher Scientific or Equivalent	18313015	5x40ul	5
27	Agrose	thermo scientific or Equivalent	750920	500g	5
28	Alkaline Phosphatase, Calf Intest (CIP)	New England BioLabs (NEB) or equivalent	M0290S	10,000U/ml	5
29	Aluminum chloride	Merck or equivalent	237051-100G	100G	5
30	Ammonium Acetate	Merck or equivalent	1.01116-1000	1Kg	5
31	Ammonium chloride NH <sub>4</sub> Cl	Sigma Aldrich or Equalant	A9434-1KG	1KG	5
32	Ammonium sulphate	Sigma Aldrich or Equalant	A-3920	1 KG	5
33	Amonium persulfate	Sigma Aldrich or Equalant	A3678-100G	100g	5
34	Amphotericin B	Merck or equivalent	A-2942	100ml	5
35	Ampicilin powder	MERCK or Equivalent	A9393	25g	5
36	Anti albumin (EPR 20195)	ABCAM or Equivalent	ab19194	1mg/ml	5
37	Anti GLP-1R Antibody	Abcam or equivalent		1mg/ml	5
38	anti mouse secondary HRP (monoclonal)	SANTA CRUZ or Equivalent	sc-516102	1mg/ml	5

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39	Anti-ALDH1A1, C-Terminal antibody produced in goat	Merck or Equivalent	(SAB2500058)	1mg/ml	5
40	antiCD90	ABCAM or Equivalent	ab225	1mg/ml	5
41	Anti-E.coli Antibody (polyclonal rabbit)	ABCAM or Equivalent	ab137967	500ul	5
42	Anti-E.Coli O157.H7 IgG	ABCAM or Equivalent	ab81131	100ul	5
43	Anza™ T4 DNA Ligase Master Mix	Life Technologies (Invitrogen / Gibco) or Equivalent	IVGN2108	200 preps	5
44	Applied Biosystems™ PowerUp™ SYBR™ Green Master Mix for qPCR	Thermo Scientific or Equivalent	A25742	100 Reactions	5
45	BamHI	Thermo Fisher Scientific (Fermentas) or Equivalent	ER0055	10000U	5
46	BamHI	Thermo Scientific or Equivalent	ER0051	4000 units	5
47	BCP/NBIT	Sigma Aldrich or Equalant	B5655	25 tablets	5
48	Bgl-II Fast digest	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0084	10000U	5
49	Blotto, non-fat dry milk	SANTA CRUZ or Equivalent	sc-2325 (500 g )	500g	5
50	Blue sepharose	Sigma Aldrich or Equalant	GE17-0948-01	100ml	5
51	Boric Acid (H <sub>3</sub> BO <sub>3</sub> )	Sigma Aldrich or Equalant	1001651000	1kg	5
52	Bovine Serum Albumin powder	Merck or Equivalent	A9418-50G	50g	5
53	Bradford reagent	Sigma Aldrich or Equalant	B6916	500ml	5
54	Bromophenol Blue	Sigma Aldrich or Equalant	B0126-25G	25g	5
55	Bstx-1	Thermo Fisher Scientific (Fermentas) or Equivalent	ER1021	10000U	5
56	Buffer pH 10	Merck or equivalent	1.09438-1000	1L	5
57	Buffer Soln pH10.0	Merck-Millipore or Equivalent	1-09438-1000	1L	5

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58	Buffer Soln pH4.0	Merck-Millipore or Equivalent	1-09435-1000	1L	5
59	Buffer Soln pH7.0	Merck-Millipore or Equivalent	1-09477-0500	1L	5
60	Butanol	Sigma Aldrich or Equalant	B7906	2.5L	5
61	C4 250x4.6 330A column	Sigma Aldrich or Equalant		1	5
62	CaCl <sub>2</sub> . 2H <sub>2</sub> O	Sigma Aldrich or Equalant	223506-500g	500g	5
63	Calcium Acetate hydrate	Merck or equivalent	447860010	2 KG	5
64	Calcium Chloride	Merck or equivalent	1.2382, C/1500/60	1Kg	5
65	Calcium Nitrate	Acros or Equivalent		1Kg	5
66	Calcium Sulfate -2- hydrate	Merck or equivalent	12056	1 kg	5
67	Calf Intestine Alkaline Phosphatase (CIAP)	Life Technologies (Invitrogen / Gibco) or Equivalent	18009-027	1000 Units	5
68	Capto Blue (High Sub)	Capto/GE Health Care Life Sciences/HVD/Amersham or Equivalent	17545202	500ml	5
69	Capto L	Capto/GE Health Care Life Sciences/HVD/Amersham or Equivalent	17547803	1L	5
70	Carbon Tetra Chloride 2.5L	Sigma or equivalent	289116	2.5L	5
71	CD 105	ABCAM or Equivalent	ab156756	1mg/ml	5
72	CD 34	SANTA CRUZ or Equivalent	sc-19621 FITC	1mg/ml	5
73	CD45	SANTA CRUZ or Equivalent	sc-1178 FITC	1mg/ml	5
74	CD73	ABCAM or Equivalent	ab202122	1mg/ml	5
75	Cell freezing medium	MP Biomedicals or Equivalent	12648-010 (50ml)	50ml	5
76	Cell Pro-Ro (Cell proliferation reagent wst-1)	Sigma Aldrich or Equalant	11644807001	2500 Test	5

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77	Chelex 100 Resin	Bio-Rad or Equivalent		100g	5
78	chitosin powder	Nanochemzone or Equivalent	9012-76-4	25 grams	5
79	Chloramphenicol	Sigma Aldrich or Equalant	C 0378	100g	5
80	Chloroform	Sigma Aldrich or Equalant	C2432 or 32211	2.5L	5
81	Chloroform	Merck or equivalent	1713569	2.5l	5
82	Citric acid	Acros Organics (Thermo Fisher) or Equivalent	C/8520/60	60ml	5
83	Cobalt Chloride hexahydrate CoCl <sub>2</sub> .6H <sub>2</sub> O	Sigma Aldrich or Equalant	C2911-250G	250g	5
84	Collagenase TYPE 1 (1G)	Gibco or Equivalent	17100-017	1g	5
85	collagenase Type 2	Gibco or Equivalent	17100-015	1g	5
86	Collagenase TYPE 4 (1G)	Gibco or equivalent	17104019	1g	5
87	Coomasie Brilliant Blue	Thermo Scientific or Equivalent	27815	250g	5
88	Copper Sulphate Pentahydrate CuSO <sub>4</sub> .5H <sub>2</sub> O	Sigma Aldrich or Equalant	C3036-250G	250g	5
89	Crystal Violet acetate	Fisher Scientific or equivalent	16444716	100mg	5
90	CTAB	Sigma Aldrich or Equalant	52369	500gm	5
91	CYTOSEAL XYL 4 OZ	Thermo Scientific/ Fischer Scientific	50-209-0573	118 ml	5
92	DAB 3,3'-Diaminobenzidine	MERCK or Equivalent	D7304	1 set	5
93	DAPI, 10 mg	Santa Cruz or Equivalent	sc-3598	10 mg	5
94	D-galactose	Sigma Aldrich or Equivalent	3455	10 g	5
95	Di potassium hydrogen phosphate	Merck-Millipore or Equivalent	1.05101.1000	500g	5

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Sr.#	Description	Brand/Manufacturer/Company or equivalent	Catalogue #	Pack Size	Qty.
96	Diethyl pyrocarbonate	Merck or equivalent	D-5758	100ml	5
97	Diluted Folin-Ciocalteu reagent	Sigma Aldrich or Equivalent	F9252-100ML	100 ML	5
98	Dimethyl Sulfoide (DMSO)	Sigma or Equivalent	472301/D-3047-4461	2.5L	5
99	Dimethyl sulfoxide (GMP grade)	Sigma Aldrich or Equalant	D2438-50ML	50ml	5
100	Dipotassium hydrogen phosphate $K_2HPO_4$	Sigma Aldrich or Equalant	60353-1KG	1KG	5
101	Dipotassium hydrogen phosphate trihydrate $K_2HPO_4 \cdot 3H_2O$	Sigma Aldrich or Equalant	P9666-1KG	1KG	5
102	Di-sodium hydrogen phosphate	Merck-Millipore or Equivalent	1.06566.0500	500g	5
103	Dithiothreitol ( DTT )	Thermo Scientific or Equivalent	R0862	25g	5
104	DMSO	Sigma Aldrich or Equivalent	D2650	100ml	5
105	DMSO ( Cell culture grade)	chem cruz or Equivalent	sc-358801	100ml	5
106	DMSO-cell culture grade	Sigma Aldrich or Equalant	D2650	5ML	5
107	DNA ladder 1 Kbp	Thermo Scientific or Equivalent	SM0312	1mL	5
108	DNA ladder 100 bp	Thermo Fisher Scientific (Fermentas) or Equivalent	SM 0623	1ml	5
109	DNA Ladder 100 bp	Thermo Scientific or Equivalent	SM0241	500 $\mu$ L	5
110	DNA ladder 100bp	Thermo Scientific or Equivalent	SM0242	5 x 50 ug	5
111	DNA Ladder 50 bp	Thermo Scientific or Equivalent	SM0372	5 x 50 $\mu$ g	5
112	DNA ladder 50bp	Thermo Scientific or Equivalent	SM0371	50ug	5
113	DNA ladder mix	Thermo Fisher Scientific (Fermentas) or Equivalent	SM 1173	1ml	5
114	DNA ladder plus	Thermo Fisher Scientific (Fermentas) or Equivalent	SM 1343	1ml	5

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115	DNase	Thermo Scientific or Equivalent	EN0521	1,000 units	5
116	dNTP Set 100mM Solutions	Thermo Fisher Scientific (Fermentas) or Equivalent	R0182 (4 x 1ml)	(4 *1ml)	5
117	Donkey Anti-Mouse IgG H&L (Alkaline Phosphatase)	ABCAM or Equivalent	(ab97027)	1ml	5
118	donkey anti-mouse IgG-HRP :	SANTA CRUZ or Equivalent	sc-2314	1ml	5
119	DPPH	Merck or equivalent	A1888	5gm	5
120	Dream Taq DNA Polymerase 5u/uL Green	Thermo Scientific or Equivalent	EP0714	500 units	5
121	DTNB (5,5'-Dithiobis(2-nitrobenzoic acid)	Sigma Aldrich or equivalent	D8130	500mg	5
122	Dulbecco's Modified Eagle's Medium - high glucose	Sigma Aldrich or Equalant	D7777-50L	50L	5
123	Dulbecco's Modified Eagle's Medium - low glucose	Sigma Aldrich or Equalant	D5523-50L	50L	5
124	Dulbecco's Modified Eagle's Medium/Nutrient Mixture F-12 Ham	Sigma Aldrich or Equalant	D2906-10L	1*10L	5
125	Dulbeccos Modifide Eagle Medium HIGH, Powder form	Sigma or equivalent	D5648	10 L	10
126	Dulbeccos Modifide Eagle Medium Low Glucose, Powder form	Gibco or equivalent	D-2902	10L	10
127	ECL Enhanced Chemiluminiscence	Thermo Scientific or equivalent	32106	500mL	5
128	EcoR1	Thermo Fisher Scientific (Fermentas) or Equivalent	ER0272	5000U	5
129	EDTA	Sigma Aldrich or equivalent	798681-500G	500G	5
130	Essential 8™ Medium powder	Life Technologies (Invitrogen / Gibco) or Equivalent	M-1018-10L	10L	5
131	Ethanol	Merck or equivalent	1744278	2.5l	5
132	Ethidium Bromide (25tab)	MP Biomedicals or Equivalent	219399325	25g	10
133	Ethyl Acetate	Sigma or equivalent	423175000	500ml	5

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134	Evan Blue make MCE	Sigma or equivalent	HB0280-1g	1G	5
135	Ex Gene Transfection Reagent	Thermo Fisher Scientific (Fermentas) or Equivalent	RO 511	1ml	5
136	exosome isolation reagent from other body fluids	Invitrogen or equivalent	4484453	6mL	5
137	Fast digest BamHI	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0054	800 Rxn	5
138	Fast Digest BglII	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0074	200 Rxn	5
139	Fast digest EcoRI	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0274	800 Rxn	5
140	Fast digest HindIII	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0505	2500 Rxn	5
141	Fast digest NcoI	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0575	300 Rxn	5
142	Fast digest NdeI	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0584	300 Rxn	5
143	Fast digest PstI	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0615	2500 rxn	5
144	Fast digest XbaI	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0685	750 Rxn	5
145	Fast digest XhoI	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0695	1,200 Rxn	5
146	Fastdigest BbiI(1/3 class)	thermoscientific or equivalent	FD1014	pk	5
147	FBS	Thermo Scientific or equivalent	A5670701	500mL	5
148	FBS (Fetal Bovine Serum)	Gibco or equivalent	A5256701	500 ml	5
149	Ferric chloride hexahydrate FeCl <sub>3</sub> .6H <sub>2</sub> O	Sigma Aldrich or Equalant	31232-250G	250G	5
150	Fetal Bovine Serum (FBS) heat-inactivated	thermo scientific or equivalent	16140071	500ml	10
151	Fetal Bovine Serum (FBS), heat inactivated	Sigma Aldrich or Equalant	F6178	500ml	5
152	Fetal calf serum	Sigma Aldrich or Equalant	N4762-6X500ML	500ML	5

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153	Ficoll Paque density gradient medium	Merck or equivalent	GE17-1440-02	Density 1.077 g/mL	5
154	Ficoll® Paque Plus	Sigma Aldrich or Equalant	GE17-1440-03	50 ml	5
155	Flourescein-12-dUTP	Thermo Fisher Scientific (Fermentas) or Equivalent	R0101	25 ul	5
156	Folins reagent	Sigma Aldrich or Equalant	F9252	1L	5
157	Formaldehyde	Sigma or equivalent	F1635	500ml	5
158	Formaline Solution Neutral Buffered	Sigma or equivalent	HT5014-1 CS	250ml	5
159	FreeStyle™ CHO-S Cells	Life Technologies (Invitrogen / Gibco) or Equivalent	R80007	pk	5
160	Fse I 10000 Units	New England Biolab or equivalent	R0588L	500 units	5
161	G418	Thermo Scientific or equivalent	10131027	100ml	5
162	Gibco™ DMEM, powder, high glucose	thermo scientific or equivalent	12100061	10L	5
163	Gibco™ DMEM, powder, Low glucose	thermo scientific or equivalent	31600083	10L	5
164	Gibco™ MEM, powder	Gibco or equivalent	61100061	10 x 1L	5
165	Gibco™ PBS (10X), pH 7.4	invtrogen or equivalent	70011069	500 ml	5
166	Gibco™ TrypLE™ Express Enzyme (1X), no phenol red	Gibco or equivalent	12604021	500 mL	5
167	Glucose DMEM	Gibco or equivalent	12800-082	10 L	5
168	Glucose Monohydrate	Sigma or Equivalent	49159-1KG	1KG	5
169	Glucose Solution (D-Glucose)	Gibco / Thermo or equivalent	A2494001 (45% glucose)	50 mL	5
170	Glycerol	Merk or equivalent	G9012-500ML	500 mL	5
171	Glycine	MERCK or equivalent	GE17-1323-01	500g	5

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172	Goat anti-mouse IgG	ABCAM or Equivalent	ab97019	1mg/ml	5
173	Guanidine	Acros Organics (Thermo Fisher) or Equivalent	BP178-1	1kg	5
174	Guanidine HCL	Thermofisher or equivalent	J60786.A1	1kg	5
175	Ham's F-12 Medium	Gibco or equivalent	21700075	10L	5
176	harris Hematoxylin solution	Merck or equivalent	HHS-32	1L	5
177	HCL	Sigma Aldrich or Equalant	H1758	2.5L	5
178	heparin	tocris or equivalent	2812	5	5
179	Hind III 10000 Units	Thermo Scientific or equivalent	ER0505	10,000 units	5
180	HinDIII	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0505	50un	5
181	His Probe Antibody	SANTA CRUZ or Equivalent	SC-804	1mg/ml	5
182	HiScreen Capto L	Capto/GE Health Care Life Sciences/HVD/Amersham or Equivalent	17547814	1L	5
183	Histidine	Sigma Aldrich or Equalant	H 7625	25gm	5
184	HPV pan-specific L1 monoclonal antibody	Thermo Scientific or equivalent	MA5-33267	1mL	5
185	HS medium	ChlamyCollection or Equivalent		1KG	5
186	Human Insulin, Solution, 5 ml	Santa Cruz or Equivalent	sc-360248	5 ml	5
187	Hunter's trace element	ChlamyCollection or Equivalent		30ml	5
188	Hydrocortisone	Tocris or equivalent	4093	10ml	5
189	IGEPAL	Sigma Aldrich or Equalant	I 7771	100ml	5
190	Imidazole	Sigma Aldrich or Equalant	I-2399	500gm	5

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191	Insulin Solution	Thermo Scientific or equivalent	12585014	10 mg/mL	5
192	Interferon $\alpha$	Sigma Aldrich or Equalant	I 4276	1PK	5
193	iodine	Sigma Aldrich or Equalant	I-3380	500gm	5
194	IPTG	Thermo Fisher Scientific (Fermentas) or Equivalent	15529019	5g	5
195	IsoAmyl Alcohol	Sigma or Equivalent	1.00979.2500	2.5L	5
196	Isopropanol	Sigma Aldrich or equivalent	34863-2.5L	2.5 L	5
197	Kanamycin Monophosphate	Acros Organics (Thermo Fisher) or Equivalent	371601000	100g	5
198	Kanamycin Sulphate	Sigma Aldrich or Equalant	11815024	5g	5
199	KCl	Merck or equivalent	P3911-25G	25G	5
200	ketamine	GSK or equivalent	HOL19456	10mg/mL	10
201	Kpn I 10000 units	Thermo Scientific	ER0521	4000 units	5
202	Laemmli Buffer	BIORAD or equivalent	1610747	10mL	5
203	Lambda Marker	Thermo Scientific or equivalent	SM0102	25x50 ug	5
204	L-Cysteine	Sigma Aldrich or Equalant	C-5610	500gm	5
205	L-Cystine	Sigma Aldrich or Equalant	C-5735	500gm	5
206	LDH assay kit	Thermo Scientific or Equivalent		1000 reactions	5
207	LiCl <sub>2</sub>	CARL ROTH or Equivalent		250gm	5
208	Lipofectamine	Thermo Scientific or equivalent	L3000150	15mL	5
209	Lipofectamine Transfection Reagent, 2000	Invitrogen/Thermo Fisher or equivalent	Lipofectamine 2000 11668019	1ml	5

## Lot 01 Chemicals

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Sr.#	Description	Brand/Manufacturer/Company or equivalent	Catalogue #	Pack Size	Qty.
210	Live and dead cell assay	ABCAM or Equivalent	ab115347	vial	5
211	Loading buffer pack	Thermo Fisher Scientific (Fermentas) or Equivalent	R0882	pk	5
212	Magnesium sulphate heptahydrate MgSO <sub>4</sub> · 7H <sub>2</sub> O	Sigma Aldrich or Equalant	M2773-1KG	1 KG	5
213	Methanol	Sigma Aldrich or equivalent	179337	2.5L	5
214	Methanol (Certified ACS), Fisher Chemical™	Merck / Equivalent		2.5 L	5
215	Methoxy PEG	Sigma Aldrich or Equalant	M3152	1g	5
216	Methylene blue hydrate	Merck or equivalent	M-4159	100gm	5
217	Milk powder	ThermoFisher Scientific or equivalent	LP0033B	500g	5
218	Mineral Oil Light White (500ml)	MP Biomedicals or Equivalent	151694	500ml	5
219	MOPS	Sigma Aldrich or Equivalent	M5519	1L	5
220	MS Medium	Sigma or Equivalent	M5519	1L	5
221	MTT Powder	Sigma Aldrich or Equivalent	475989-10GM	10 gm	10
222	NBT/BCIP Ready-to-Use Tablets	ROCHE or Equalant	11697471001	12	15
223	NCo1	Thermo Fisher Scientific (Fermentas) or Equivalent	ER0575	2500 Units	5
224	Nde1	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0585	2500 Units	5
225	Neural Basal Media	Gibco or equivalent	21103049	500 mL	5
226	Neutral Buffered Formalin (NBF) 10%, pH 7	Merck or equivalent	STL2860025	1 gallon	5
227	Neutral Red Solution (0.33%) 3.3 g/L in DPBS, sterile-filtered, BioReagent, suitable for cell culture	Sigma Aldrich or Equalant	N2889-100ML	100ML	5
228	Nhe I 10000 Units	Thermo Scientific or equivalent	ER0975	1,000 units	5

## Lot 01 Chemicals

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Sr.#	Description	Brand/Manufacturer/Company or equivalent	Catalogue #	Pack Size	Qty.
229	Nickel Chloride	Sigma Aldrich or Equalant	N-5756	1kg	5
230	Nitrocellulose membrane	Thermo Scientific or equivalent	77010	12 x 8 cm	5
231	NITROCELLULOSE MEMBRANE 0.45UM AMERSHAM	Merck or equivalent	GE10600016	pk	5
232	Normal saline	celine or equivalent		100ml	25
233	Not I 10000 Units	Thermo Scientific or equivalent	ER0592	1500 units	5
234	Nuclease-free water	Thermo Scientific or equivalent	AM9932	1000mL	5
235	Oligo d(T)18 mRNA Primer	NEB or Equivalent	S1316S	1VIAL	5
236	Osteo/chondro differetiation and basal media	Sigma or equivalent	C-28013	100 ml	5
237	Page Ruler pre stained Marker	Thermo Fisher Scientific (Fermentas) or Equivalent	26635	250ul	5
238	Paraffin wax	Sigma or equivalent	416770020	2Kg	5
239	Parafilm	Sigma Aldrich or Equalant	P7668 SIGMA	10	10
240	Paraformaldehyde	Sigma or equivalent	416780010	1kg	5
241	paraformaldehyde powder	Merck or equivalent	158127-5G	5G	5
242	PBS Tablets	Merck or equivalent	6501-200TAB	200 Tablets	5
243	PCI (Phenol:Chloroform:Isoamyl Alcohol 25:24:1, v/v)	ThermoFisher Scientific or equivalent	15593049	400ml	5
244	Pencillin Streptomycin	Merck or equivalent	P-4333	100ml	15
245	Penicillin G	Research Products International RPI or equivalent	P93000-5.0	25g	5
246	Penicillin G sodium salt	Gibco/Thermo Scientific or equivalent	J6303214	25 G	5
247	Penicillin-Streptomycin	Gibco or equivalent	15-140-122	100 ml	5

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Sr.#	Description	Brand/Manufacturer/Company or equivalent	Catalogue #	Pack Size	Qty.
248	Penicillin-Streptomycin-Glutamine (100x)	Gibco/Thermo Scientific or equivalent	10378016	100 mL	5
249	Pen-strep	Thermo Scientific or equivalent	15070063	100mL	10
250	Peptone	Sigma Aldrich or Equalant	77180	500gm	10
251	PFu polymerase	Thermo Fisher Scientific (Fermentas) or Equivalent	10631231	100 Units	5
252	Phenol chloroform isoamyl alcohol (25:24:1)	Thermofisher Scientific or equivalent	15593-031	100ml	5
253	Phosphate buffered saline powder, pH 7.4	Sigma Aldrich or Equalant	P3813 SIGMA	Pack	10
254	Phosphoric acid	Merck-Millipore or Equivalent	1.00995.2500	2.5L	5
255	Phusion green PCR master kit	Thermo Fisher Scientific (Fermentas) or Equivalent	F566L	500 Rxn	5
256	PHYTAGEL	Sigma or Equivalent	P8169-1KG	1KG	5
257	Pierce™ Bovine Serum Albumin Standard, 2 mg/mL	Thermo Scientific or Equivalent	23210	50 ml	5
258	Pipes	Sigma Aldrich or Equalant	P-9291	100gm	5
259	Platinum™ Hot Start PCR Master Mix (2X)	Life Technologies (Invitrogen / Gibco) or Equivalent	13000013	100 reactions	5
260	PMSF (Phenylmethylsulfonyl fluoride) powder	Sigma Aldrich or Equalant	P-7626	200gm	5
261	Poly ethylene glycol	Sigma Aldrich or Equalant	25322-68-3	2.5L	5
262	Poly(2-hydroxyethyl methacrylate) (CAS 25249-16-5)	Santa Cruz or Equivalent	sc-253284	10 G	5
263	Ponceau stain	Thermo Scientific or equivalent	A40000279	500ml	5
264	Potassium acetate	Sigma Aldrich or equivalent	236497	100 g	5
265	Potassium Chloride	Sigma Aldrich or Equalant	12636	1 kg	5
266	Potassium di hydrogen phosphate	Merck-Millipore or Equivalent	P97091-500G	500g	5

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Sr.#	Description	Brand/Manufacturer/Company or equivalent	Catalogue #	Pack Size	Qty.
267	Potassium Hydroxide	Merck or equivalent	221473-25G	25g	5
268	Potassium iodite	Sigma Aldrich or Equalant	60399	500gm	5
269	Potassium Nitrate KNO <sub>3</sub>	Sigma Aldrich or Equalant	P8291-500G	500gm	5
270	Potassium phosphate dibasic salt	Merck or equivalent	1051090250	250G	5
271	Potassium phosphate monobasic	Sigma Aldrich or Equalant	P5655	1Kg	5
272	prestained protien ladder	Thermo Fisher Scientific (Fermentas) or Equivalent	26619 (2x250ul)	(2x250ul)	5
273	Protease Inhibitor Cocktail	Thermo Scientific or equivalent	78446	10 mL	5
274	Protease Inhibitor Cocktail powder	Sigma Aldrich or Equalant	P2714	1 gm	5
275	Protein ladder (low range)	Thermo Scientific or equivalent	26628	250ul	5
276	Proteinase K	Thermo Scientific or equivalent	25530049	5ml	5
277	Proteinase K	Merck-millipore or equivalent	70663-4	100mg	5
278	protien loading dye	Thermo Fisher Scientific (Fermentas) or Equivalent	S3401-10VL	2	5
279	PVDF membrane	Thermo Scientific or equivalent	88518	1 roll	5
280	Q5 Hot Start High-Fidelity 2X Master Mix	New England BioLabs (NEB) or equivalent	M0494L	1	5
281	QUALIPLATE FOR DETECTING Cp4Epsps Glyphosate in Cotton/corn	Envirologex or Equivalent	AP-010-NW V10	10 Plates per pack	5
282	QUALIPLATE FOR DETECTING Cry1Ac in corn	Envirologex or Equivalent	AP-003-CRBS V50	10 Plates per pack	5
283	QUALIPLATE FOR DETECTING Cry2A in Cotton/corn	Envirologex or Equivalent	AP-005-CT NW V10	10 Plates per pack	5
284	QUALIPLATE FOR DETECTING PAT/BAR in corn	Envirologex or Equivalent	AP-014-NW V10	10 Plates per pack	5
285	Quick-Load® Purple 50 bp DNA Ladder	New England BioLabs (NEB) or equivalent	N0556S	5pk	5

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Sr.#	Description	Brand/Manufacturer/Company or equivalent	Catalogue #	Pack Size	Qty.
286	Quickstix for Cry1Ac, Cry2A and Glyphosate in cotton/ Corn	Envirologex or Equivalent	AS-046-ST, AS-046-STC	50 per pack	5
287	Quickstix for PAT/BAR in Corn	Envirologex or Equivalent	AS-014-BGS	50 per pack	5
288	Quickstix for RR in Cotton/Corn	Agdia or Equivalent	STX 74000/0050	50 per pack	5
289	reverse transcriptase	Thermo Scientific or equivalent	18090200	1000 reactions	5
290	Revert Aid H Minus, M.Mu LVRT	Thermo Fisher Scientific (Fermentas) or Equivalent	#EP0451	(5x10,000U)	5
291	Ribonuclease A	Sigma Aldrich or Equalant	55674	50 ug	5
292	RIPA Lysis Buffer, 10X	Sigma Aldrich or Equalant	20-188 EMD MILLIPORE	100ml	5
293	RNase	Sigma Aldrich or Equalant	R4875	100mg	5
294	RNase A	Thermo Scientific or equivalent	EN0531	10mg	5
295	Rnase inhibitor	Thermo Scientific or equivalent	EO0381	2500 units	5
296	RPMI 1640 Medium	Gibco / Thermo Scientific or equivalent	11875093 / 22400089	500 mL	5
297	RPMI 1640 Medium powder	Life Technologies (Invitrogen / Gibco) or Equivalent	R-6504	10L	5
298	Sciences CytoSeal 60, 4 oz	Thermo Scientific/ Fischer Scientific or equivalent	50-252-73	118 ml	5
299	SDS	Sigma Aldrich or Equalant	L-5750	500gm	5
300	SEC-1000 LC Column	Thermo Fisher Scientific (Fermentas) or Equivalent	79721	4	5
301	Seharose CL 6B	Sigma Aldrich or Equalant	CL-6B200	1L	5
302	Sephacryl 200	Sigma Aldrich or Equalant	S-200 HR	750ml	5
303	Sephadex G-25 Fine	Capto/GE Health Care Life Sciences/HVD/Amersham or Equivalent	17003202	500 g	5
304	Sheep Anti-Rat IgG H&L (FITC)	Abcam or Equivalent	ab6848	1 mg	5

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Sr.#	Description	Brand/Manufacturer/Company or equivalent	Catalogue #	Pack Size	Qty.
305	Silver Nitrate	Merck or equivalent	7761-88-8, product# 1.01512	500g	5
306	Silver Staining Kit	Life Technologies (Invitrogen / Gibco) or Equivalent	LC6070	1	5
307	Skim Milk	Sigma Aldrich or Equalant	70166	500g	5
308	Sodium molybdate dihydrate NaMoO <sub>4</sub> .2H <sub>2</sub> O	Sigma Aldrich or Equalant	33105-500g	500G	5
309	Sodium Acetate	Sigma Aldrich or Equalant	25060-1KG-R	1Kg	5
310	Sodium bicarbonate	Gibco / Thermo Fisher or equivalent	25080094	7.5% 100 mL / Powder	5
311	Sodium carbonate	Merck or equivalent	223530	500g	5
312	Sodium Chloride	Sigma Aldrich or equivalent	S5886-500G	500G	5
313	sodium citrate dihydrate	Sigma Aldrich or Equalant	71402-1KG	1kg	5
314	Sodium di hydrogen phosphate	Merck-Millipore or Equivalent	S3139	500g	5
315	Sodium hydroxide Pellets	Merck-Millipore or Equivalent	1.06482	1kg	5
316	Sodium Hydrogen Carbonate/Sodium Bi carbonate	Sigma or equivalent	S/4200/65	5 Kg	5
317	Sodium Hydroxide	Sigma Aldrich or Equalant	1310-73-2	10Kg	5
318	Sodium Thiosulphate	Merck or equivalent	217263	500g	5
319	SOURCE 15Q	Capto/GE Health Care Life Sciences/HVD/Amersham or Equivalent	17094702	500ml	5
320	SOURCE 15S	Capto/GE Health Care Life Sciences/HVD/Amersham or Equivalent	17094402	500ml	5
321	Spectinomycin dihydrochloride	Sigma Aldrich or Equalant	S4014-25G	25g	5
322	StemXVivo® Serum-Free Tumorsphere Media	Biotechne R&D system or equivalent	CCM012	100ml	5
323	Sterile Glass beads (400-600um)	Sigma Aldrich or Equalant	G8772	500G	5

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Sr.#	Description	Brand/Manufacturer/Company or equivalent	Catalogue #	Pack Size	Qty.
324	streptokinase	Sigma Aldrich or Equalant	S0577-50KU	50ku	5
325	Streptomycin	ThermoFisher Scientific	11860038	100g	5
326	Streptomycin Sulfate, Fisher BioReagents	Thermo or equivalent	BP910-50	pk	5
327	Sub tilisnA	Sigma Aldrich or Equalant	P 5380	1g	5
328	Sucrose	Bioworld or equivalent		1500 gm	5
329	T4 DNA Ligase	Thermo Scientific or equivalent	EL0011	1,000 units	5
330	TALON Superflow	Capto/GE Health Care Life Sciences/HVD/Amersham or Equivalent	28957502	50ml	5
331	Taq Polymerase	Thermo Scientific or equivalent	10966026	500 reactions	5
332	TCA	Merck-Millipore or Equivalent	1.081	500g	5
333	TEMED	Sigma Aldrich or Equalant	T-7024	100ul	5
334	Terrific broth modified	Sigma Aldrich or Equalant	T 9179	1kg	5
335	Tetracyclin powder	MERCK or equivalent	T3258	25g	5
336	Tetracycline hydrochloride	Sigma Aldrich or Equalant	T7660	25 g	5
337	TFA	Sigma Aldrich or Equalant	T-1647	Pk	5
338	Thermo Scientific™ Pierce™ BCA Protein Assay Kits	Thermo Scientific or Equivalent	23227	Kit (500 mL)	5
339	Thiamine HCL	Sigma Aldrich or Equalant	T- 4625	250gm	5
340	Tomosphere media	Sigma or equivalent	C-28070	250ml	5
341	TOPVISION Agarose MB Grade	Thermo Fisher Scientific or Equivalent	EO0492	500g	10
342	TrackIt ultra low range DNA ladder	Life Technologies (Invitrogen / Gibco) or Equivalent	cat10488023	50UG	5

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Sr.#	Description	Brand/Manufacturer/Company or equivalent	Catalogue #	Pack Size	Qty.
343	Triazole Reagent (200ml)	Life Technologies (Invitrogen / Gibco) or Equivalent	#15596-018	200ml	10
344	Trichloroacetic acid solution.	Merck or equivalent	T0699.	500mL	5
345	Tri-reagent	Sigma Aldrich or Equalant	T- 9424	200ml	5
346	TriReagent RNA/DNA/Protien	Sigma Aldrich or Equalant	TR118	200ml	5
347	Tris	BIORAD or equivalent	1610719	1 kg	5
348	Tris HCL	Sigma Aldrich or Equalant	648317-	5Kg	5
349	Triton X 100	Sigma Aldrich or Equalant	T8787	500ML	5
350	Trizol LS	Merck or equivalent	T-3934	200ml	5
351	Trizol Reagent	Invitrogen or equivalent	AM9738,	200ml	5
352	TRizol tm	Merck or equivalent	T9424-200ML	200 ML	5
353	Trypan blue	Sigma Aldrich or equivalent	T8154	100 ml	5
354	Trypsin	Gibco or equivalent	11570626	500 ml	5
355	Trypsin- EDTA	Thermo Scientific or equivalent	25200072	1500 mL	15
356	Trypsin EDTA 10X	Gibco / Thermo Fisher or equivalent	15400054	100 mL	10
357	Tryptone	Thermo Scientific or equivalent	LP0042B	500g	10
358	TTC make MCE	Sigma or equivalent	T8877-5G	5G	5
359	Tween 20	Sigma Aldrich or Equalant	P9416-100ML	100ml	5
360	Mycoplasma Removal Agent (MRA)	MP Biomedicals or equivalent	ICN3050044	5ml	5
361	Urea	Sigma Aldrich or Equalant	U-4625	500gm	5

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Sr.#	Description	Brand/Manufacturer/Company or equivalent	Catalogue #	Pack Size	Qty.
362	X Gal	Thermo Fisher Scientific (Fermentas) or Equivalent	RO 941	10ml	5
363	XhO1	Thermo Fisher Scientific (Fermentas) or Equivalent	FD0695	500u	5
364	Xylazine	Merck or equivalent	x-1251	1gm	5
365	Xylene	Merck or equivalent	X/0250/17	2.5Ltr	5
366	Yeast Extract	Thermo Scientific or equivalent	LP0021B	500g	10
367	Yeast nitrogen base with amino acid	Sigma Aldrich or Equalant	Y 1250	1kg	5
368	Yeast nitrogen base without amino acid	Sigma Aldrich or Equalant	Y 1251	1kg	5
369	ZEOCINE	Life Technologies (Invitrogen / Gibco) or Equivalent	R25005	50ul	5
370	Zinc Sulphate $ZnSO_4 \cdot 7H_2O$	Sigma Aldrich or Equalant	Z1001-500G	500G	5

## Lot 02 Labware

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Sr.#	NAME	Brand/Manufacturer/Company or equivalent	CAT. NUMBER	Pack Size	QTY.
1	0.25ML PCR 8TB FCAPS & STRIP	Fisher Scientific or equivalent	14230215	(50PC/Pk & 5Pk/CS)	20CS
2	0.2ML PCR TUBE 1000/pk, 10PKT/CS	Axygen or equivalent	PCR-02-C	1000/pk, 10PKT/CS	30
3	1 L Pyrex bottles	Fisher Scientific or equivalent	FB8001000	10/box	50
4	10 L Pyrex bottles	SPL or equivalent		10/box	10
5	10 ml disposeable pippetts (4Pk/CS &100/Pk)	SPL or equivalent	95010	(4Pk/CS &100/Pk)	20CS
6	10 mL Pipette	Falcon / Thermo	357551	50 pcs/pack	10*50 pcs/pack
7	1000ul Universal fit Filtered pipet tips	Thermo or equivalent	F116R100S1000Q	5pkt/CS	5pkt
8	100ml Pyrex bottles	Fisher Scientific or equivalent	15446113	10/box	10
9	10ul TIPS RACK 960 (WHITE TIPS)	Axygen or equivalent	02-707-436/F104-96RS-10-Q	1000/pk, 10PKT/CS	30CS
10	12 Well cell culture plate (50/CS)	SPL or equivalent	30012	(50/CS)	20CS
89	12well Plate, 0.4um, PET, Sterile	SPL or equivalent	37612	48 per pack	5 of 48
11	15ml conical tubes without Rack (10Pk/CS & 50/Pk)	SPL or equivalent	50015 or 51015	(10Pk/CS & 50/Pk)	20CS
12	1ml pippette tips pack of 10000	Thermo or equivalent	101-Q	1000/pk, 10PKT/CS	20CS
13	2 L Pyrex bottles	Fisher Scientific or equivalent	15406123	10/box	10
14	2 L Shake flask	SPL or equivalent	73002	10/box	10
15	20 L Pyrex bottles	SPL or equivalent		10/box	10
16	200UL YLW BEVELD TIPS RACK 960PK(5PKT/CS)	Axygen or equivalent	02- 707-501/T113RN-Q	PK(5PKT/CS)	30CS
17	24 WELL MULTI DISH sterile cell culture plates	SPL or equivalent	30024	10CS	10CS
90	24well Plate, 0.4um, PET, Sterile	SPL or equivalent	37624	48 per pack	5 of 48

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Sr.#	NAME	Brand/Manufacturer/Company or equivalent	CAT. NUMBER	Pack Size	QTY.
91	24well Plate, 8um, PET, Sterile	SPL or equivalent	37824	48 per pack	5 of 48
18	25 cm2 culture flask vented cap (40pk/CS & 5/Pk)	SPL or equivalent	70025	(40pk/CS & 5/Pk)	20CS
19	250ml Pyrex bottles	Fisher Scientific or equivalent	FB800250	10/box	10
20	250ml Shake flask	Bioworld or equivalent	1130/14D	10/box	10
21	25ml Pipets	SPL or equivalent	95025	(4Pk/CS &100/Pk)	10
22	2L Baffelled flask	Fisher Scientific or equivalent	100425N	10/box	10
23	4 L Shake flask	Pyrex or equivalent		10/box	5
24	48 WELL PLATES, clear well flat bottom cell culture plates	SPL or equivalent	3830-048	10 CS	10 CS
25	4-Way Flipper™ Racks	Thermofisher Scientific	8850	1*case	1*case
26	5 L plastic beaker	Bioworld or equivalent	BPM5000P	Each	3
27	5 L Pyrex bottles	Fisher Scientific or equivalent		Each	3
28	5 ml disposeable pipettes (4Pk/CS &100/Pk)	SPL or equivalent	95005	(4Pk/CS &100/Pk)	20CS
29	50 ml falcon tube	SPL or equivalent	50150	(500/Case)	2 Case
30	500ml measuring cylinder	Fisher Scientific or equivalent	11967874	Each	22
31	500ml Pyrex bottles	Fisher Scientific or equivalent	FB800500	Each	10
32	500ml Shake flask	Pyrex or equivalent		Each	2
33	50ml Falcon tubes without Rack (20Pk/CS & 25/Pk)	SPL or equivalent	50050	(20Pk/CS & 25/Pk)	20CS
34	6 WELL MULTIDISH BIO LITE	SPL or equivalent	130184	(50/Case)	10CS
35	6 well plates	Merck or equivalent	CLS353846	(50/Case)	10*Cs

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Sr.#	NAME	Brand/Manufacturer/Company or equivalent	CAT. NUMBER	Pack Size	QTY.
36	6v/30w halogen bulb, leeds #L410	Olympus	olympus# 8-c410	Each	1
92	6well Plate, 0.4um, PET, Sterile	SPL	37606	48 per pack	5 of 48
37	75 cm2 culture flask vented cap (20pk/CS & 5/Pk)	SPL or equivalent	70075	(20pk/CS & 5/Pk)	20CS
38	96 WELL MULTI DISH sterile cell culture plates	SPL or equivalent	130188	(50/Case)	10CS
39	96 well plates	Merck or equivalent	CLS3922	100 each	2*100 ea
40	96 WELL PLATES (Elisa)	SPL or equivalent	3860-096/3801-096	(50/Case)	7 PKT
41	96-mini Well plate	SPL Life Sciences	30097	(50/Case)	1*1/50
42	96-Well plate	SPL Life Sciences	30096	(50/Case)	1*1/50
43	96-Well plate, round	SPL Life Sciences	34296	(50/Case)	1*1/50
44	96-well Real time PCR plate (ABI) (200/CS)	ABI		(200/CS)	20CS
45	Alcohol swabs			200/Box	(n=200)
46	AMICON CENTRIFUGAL 4ML 10K NMWL (24/PKT)	Millipore or equivalent	UFC801096	(24/PKT)	3 PKT
47	AMICON CENTRIFUGAL 4ML 30K NMWL (24/PKT)	Millipore or equivalent	UFC803096	(24/PKT)	3 PKT
48	AMICON ULTRA 15ML 30K (96/PKT)	Millipore or equivalent	UFC903096	(96/PKT)	3 PKT
49	Amicon ultra centrifugal filters (100kda)	Millipore or equivalent	UFC210024	(24/PKT)	(n=9x24)
50	AMICON ULTRA-4 4ML 3K NMWL (24/PKT)	Merck or equivalent	UFC800396	(24/PKT)	1 PKT
51	AMICON ULTRA-4 4ML 50K NMWL (24/PKT)	Merck or equivalent	UFC805096	(24/PKT)	1 PKT
52	Aspir-12-reservoir	SPL or equivalent	21012	100/Case	
53	AUTOCLAVE BAG 620X780MM (100/Pack)	FisherScientific	16207971	(100/Pack)	50 pkt

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Sr.#	NAME	Brand/Manufacturer/Company or equivalent	CAT. NUMBER	Pack Size	QTY.
54	Autoclave Bags	Lab Manchester	LM083	200 each	1*200 ea
55	Beaker 250ml	FisherScientific	15409083	10/box	10*250ml
56	Beakers 1L, 2L	Borosil / Pyrex	1000mL: 1000B / 2000mL: 2000B	10/box	5*1 each
57	Blue Tips (1000uL)	SPL or equivalent	92000	10pk/CS, 1000/PK	5 of 10000
58	Buccal swabs (Pack Size 3)			200/Box	(n=200)
59	Cell Culture Dish, 150mm	SPL Life Sciences	11150	500/Cs	10 Cs
60	Cell Culture Dish, 35mm	SPL Life Sciences	11035	300/Cs	10 Cs
61	Cell Culture Dish, 90mm	SPL Life Sciences	11090	500/Cs	10 Cs
62	CELL CULTURE FLASK WITH FILTER CAP PS,75CM2 (20PK/CS	SPL or equivalent	70075	(20PK/CS & 5/PK)	10Cs
63	Cell Scrapers	VWR or equivalent	82050-468	100/Box	3 Cs
64	CELL SPREADER STRL 100/PK L- SHAPED	SPL or equivalent	14665231	100/Box	3 Cs
65	Cell Strainers (40µ,70µ,100µ)	SPL/ Falcon / Corning	352350/352340/352 360	50 pcs/pack	3*50 pcs/pack
68	CRYO BOX,PC,3COLORS,5*5(25HOLE)	SPL or equivalent	80025	20/CS	10 CS
70	Cryo boxes	Fisher Scientific	14-175-63	4/PK & 6pk/CS	1*10 in pack
66	Cryo Boxes (25 well)	SPL Life Sciences	80025	20/CS	10 Cs
67	Cryo Boxes (81 well)	SPL Life Sciences	80081	4/PK & 6pk/CS	1*1/10
69	CRYOBOX1.2/2ML PC;9X9 ARRAY)	SPL or equivalent	5026-0909(80081)	4/PK & 6pk/CS	21CS+15NO
71	Cryovials	SPL or equivalent	43112	50 / Pk, 500 / Cs	5 of 500
72	Cryovials for -80 storage	Corning	431386	50 / Pk, 250 / Cs	1*50 / Pk, 250 / Cs

## Lot 02 Labware

The Company/Manufacturer/Catalog numbers are mentioned only as a reference to avoid ambiguity in model, variant, size, grade, or configuration.

Sr.#	NAME	Brand/Manufacturer/Company or equivalent	CAT. NUMBER	Pack Size	QTY.
73	Decon Kit; For 3110 Series Incubators	Thermoscientific	190651	Each	3
74	Dissection kit			Each	2
75	Disposable cuvettes 1.5ml	Fisher Scientific	14955127	100/pk & 5pk/cs	2 cs
76	Disposable cuvettes 4ml	SPL or equivalent		500/cs	3 cs
77	Droper	SPL or equivalent		500/cs	4 cs
78	EDTA Blood Collection Tubes	BD OR EQUIVALENT		100/pk	5 cs
79	Eppendorf 1.5 mL Tubes	Eppendorf / Axygen	22363204	500 pcs/pack	5 of 500
80	EPPENDROFT TUBE 1.5ML (10PKT/CS)	Axygen or equivalent	MCT-150-C	(10PKT/CS & 500/pk)	20CS
81	FALCON TUBE 50ML(WITHOUT RACK)	SPL or equivalent	50050	500/cs	10CS
82	FILTER ASSEMBLY 1000LITER 0.22UM (12PC/CS)	Thermo or equivalent	567-0020	(12PC/CS)	20CS
83	FILTER ASSEMBLY 1000LITER 0.45UM (12PC/CS)	Nalgene or Equivalent	167-0045	(12PC/CS)	20CS
84	FILTER ASSEMBLY 500LITER 0.22UM (12PC/CS)	Millipore or equivalent	SCGP05RE	(12PC/CS)	20CS
85	FILTER ASSEMBLY 500LITER 0.45UM (12PC/CS)	Thermo or equivalent		(12PC/CS)	20CS
86	Filter paper Sheet	FisherScientific	11814131	100/Pack	10*100
87	FILTER SYSTEM 250 ML 12/CS	SPL or equivalent	F9768-1CS	(12PC/CS)	10 NO
88	FLTR,PES,45MM,1L,90MM;0.45UM(filter assembly)	SPL or equivalent	167-0045	(12PC/CS)	10 Cs
93	Gilway technical lamp	Thermofischer Scientific	4345287	Each	1
140	Glass Tubes Tissue Culture	Pyrex or Equivalent		4pk/cs & 50/pk	3 Cs
94	GLOVES Nitrile medium	Fisher Scientific or equivalent	15642367	(10BOX/CS)	30 Cs

## Lot 02 Labware

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Sr.#	NAME	Brand/Manufacturer/Company or equivalent	CAT. NUMBER	Pack Size	QTY.
95	GLOVES Nitrile SMALL (10BOX/CS)	Fisher Scientific or equivalent	15632367	(10BOX/CS)	30 Cs
96	GLOVES POWDER FREE LARGE (10BOX/CS)	Fisher Scientific or equivalent	15652367	(10BOX/CS)	20CS
97	Gloves, Nitrile Plus – UltraCruz, Large	Santa Cruz or SPL or Equivalent	sc-359598	100/pack	10 x 100/pack
98	Gloves, Nitrile Plus – UltraCruz, Medium	Santa Cruz or SPL or Equivalent	sc-359596	100/pack	10 x 100/pack
99	Gloves, Nitrile Plus – UltraCruz, Small	Santa Cruz or SPL or Equivalent	sc-359594	100/pack	10 x 100/pack
100	Inoculating loops	VWR or equivalent	50806-741	10/Box	3 Cs
101	MICRO TIPS GRAD CLEAR 0.1-10UL	Axygen or equivalent	T104R-Q	10pk/CS, 1000/PK	10Cs
102	Micropipette-blue tips	Axygen or equivalent	TE-1004-B	10pk/CS, 1000/PK	10Cs
103	Micropipette-yellow tips	Axygen or equivalent	AXYT-200-Y	10pk/CS, 1000/PK	10 Cs
104	Millicell® Cell Culture Inserts 6 well	SPL or equivalent	37406	6/pk & 4pk/cs	3CS
105	Nalgene cryogenic freezing container	Fisher Scientific or equivalent	5100-0001	Each	4 NO
106	P10 Pipett Tips White Tips 20000/cs	Merck or equivalent	AXYT300 T-300	10pk/CS, 1000/PK	20Cs
107	Parafilm	Fisher Scientific	STLPM996	Roll	5*2 in x 250 ft roll
108	PCR 96 WELL PLATE	Axygen or equivalent	PCR-96-HS-C/3484	5/pk & 4pk/box	25CS
109	PCR TUBE 0.2ML CLEAR THIN WALL (10PKT/CS)	Thermo or equivalent	KG2531	(10PKT/CS)	20CS
110	PCR tubes (Optical 8 strip PCR tubes)	Invitrogen™	AM12230	3*125 strips	3*125 strips
111	Petri Dish 90mm	SPL or equivalent	10090	(25Pk/CS & 20/pk)	20CS
112	PIPETTE DISPOSABLE 2 ML	Axygen or equivalent	40102	(4Pk/CS & 100/Pk)	10 CS
113	PVDF Western Blotting Membranes, roll W × L 30 cm × 3.00 m, roll of 1, pore size 0.2 μm	Merck or equivalent	3010040001	Roll	4 roll

## Lot 02 Labware

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Sr.#	NAME	Brand/Manufacturer/Company or equivalent	CAT. NUMBER	Pack Size	QTY.
114	Replacement HEPA filter and cleaning kit	Thermoscientific	760175	Each	3
115	Slide Box	Fisher Scientific	11731486	Each	10
116	SLIDE GLASS MICROSCOPE 25x75MM,FROSTED*ONE	Thermo	S 8400/ 2951	20/pk	3 Cs
117	SPRAY BOTTLE	Local		Each	30 NO
118	Spreader	Fisher Scientific	15615467	100/pk	5*100/pk
119	Syringe 10ml	BD OR EQUIVALENT		100 pcs/box	5*100 pcs/box
120	Syringe 1ml	BD OR EQUIVALENT		100 pcs/box	3*100 pcs/box
121	Syringe 3ml	BD OR EQUIVALENT		100 pcs/box	3*100 pcs/box
122	Syringe 5 ml	BD OR EQUIVALENT		100 pcs/box	5*100 pcs/box
123	Syringe Filters (0.22µ/0.45µ)	Millipore or Equivalent	SLGP033RS	50 pcs/pack	5*50 pcs/pack
124	Syringe Filters 0.22um	Millipore	SLGVR33RS	50 pcs/pack	5*50 pcs/pack
125	Syringe Filters 0.45um	Millipore	SLHVR33RS	50 pcs/pack	5*50 pcs/pack
126	Syringes (1ml,5ml,10ml)	BD / Disposable Sterile	—	100 pcs/box	1*100 pcs/box
127	T175 Flasks, Filter, vented caps	SPL Life Sciences	70175	100 per pack	10*5 / 100 per pack
128	T25 Cell culture Flasks, Filtered, vented caps	SPL or equivalent	70025	100 per pack	20*5 / 100 per pack
129	T75 flasks, Filter, vented caps	SPL Life Sciences	70075	100 per pack	20*5 / 100 per pack
130	Thermo Scientific™ Adhesive Seal Applicator	Thermoscientific	AB1391	Each	1
131	Thermo Scientific™ Optical Adhesive Film, for Piko PCR plates	Thermoscientific	ASF0020	400 sheets/ pack	400 sheets/ pack
132	Thermo Scientific™ Piko PCR Plate, 96-well, clear	Thermoscientific	SPL0960	200/pack	3*200/pack

## Lot 02 Labware

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Sr.#	NAME	Brand/Manufacturer/Company or equivalent	CAT. NUMBER	Pack Size	QTY.
133	TIPS BLUE 1000UL UNIVERSAL GRAD TIPS,BULK	Axygen or equivalent	92000/4330-0004-02	(10PKT/CS)	10CS
134	ULTEA CRUZ PARAFLIM 12/CS	Santa Cruz or equivalent	SC200288	12/CS	3Cs
135	ULTRA CRUZ CENTRIFUGE TUBE .CONICAL,15ML,BLUK	Santa Cruz or equivalent	SC200250	500/case	20CS
136	UltraCruz® Centrifuge Tube, Conical, 15 ml, bulk	Santa Cruz or SPL or Equivalent	sc-200250	500/case	10*500/case
137	UltraCruz® Centrifuge Tube, Conical, 50 ml, bulk	Santa Cruz or SPL or Equivalent	sc-200251	500/case	10*500/case
138	Ultra-low Attachment Plates (6-well plates)	Corning® Costar®	CLS3471	24/case	2 Case
139	western Blot trays			Each	

## Lot 03 General Store/Stationary Itc

Sr.#	Items	Pack Size	Required quantity
1	Access Point	Each	10
2	Aluminium Foil Diamond Heavy Duty	Roll of 37.50 sft	100
3	Bleach 500ml	Bottle	100
4	Buckets Plastic	Each	25
5	Cling Film Roll	Roll	30
6	Computer Cells	Each	20
7	Computer Keyboard	Each	10
8	Computer Mouse	Each	10
9	Disposale Cap (100/pk)	(100/pk)	2
10	Dust Bin without Lid	Each	30
11	Duster Cloth	Each	250
12	Face Mask (100/Box)	(100/Box)	15
13	Filter paper sheets 8x12	(50sheets/pk)	20
14	Flush Brush for cleaning	Each	25
15	Lab Coat	Each	10
16	Lotay Medium	Each	20
17	Match Box 10/Pk	10/Pk	10
18	Liquid Soap (475ml/Bottle)	(475ml/Bottle)	120
19	Detergant Dish Wash Powder	(430g/Bottle)	50
20	Microtome Blade, Feather S-35 Type,	100/Pk	10
21	Musline Cloth Lathaa	18m/Thaan	20
22	Phenyl (2.75L/Bottle)	(2.75L/Bottle)	50
23	Plastic Sheets 2'*4'	Sheet	100
24	Shoe Cover (100/pk)	(100/pk)	5
25	Soap Large s145gm	Each	200
26	Spray Bottle	Each	30
27	Laundry Detergant Powder Surf or Equivalent	500g/pk	100
28	Surgical Blade 23No.	50/pk	5pk
29	Sutures Silk	(12/Pack)	5
30	Syringe 1ml	(100PC/BOX)	50
31	Syringe 5ml	(100PC/BOX)	100
32	Syringe 10ml	(100PC/BOX)	50
33	Tissue Box (150x2ply)	(150x2ply )	100
34	Tissue Roll	10*10 Case	50
35	Towel for cleaning Large	Kg	50
36	Towel Large Size	Each	50
37	Tub Plastic 30 Litre Capacity	Each	5
38	Wipers 4feet	Each	30

STATIONERY ITEMS

Sr.#	Items		Quantity
1	Ball Points (10/Pk)	(10/Pk)	100
2	BILL BOOK (TRIPLICATE CARBENLESS) 5	50 bills/book	30
3	BINDER CLIP	12/pk	10pkt
4	BINDING TAPE 2"	Each	50
5	BINDING TAPE 3"	Each	50
6	Bold Marker (Permanent) 12/pk	12/pk	10pkt
7	Colored papers	Each	3pk
8	DATA NOTE BOOK (Printed 80g, 200 Pages)	Each	100 No
9	ENVELOPE 9*4 SIZE PRINTED	Each	300
10	ENVELOPE A4 SIZE PRINTED	Each	500
11	ENVELOPE B4 PRINTED	Each	250
12	File Cover Printed	Each	1000
13	File Tags	100/pk	25
14	Gum Stick	Each	30
15	Hard Files	Each	250
16	INDENT BOOK	Each	100
17	Labelling tapes/ Paper Tape 1 inch	Roll	200
18	Lead Pencil	12/pk	25
19	Marker Erasable (Board marker) 12/pk	12/pk	10
20	MARKER Fine tip (LABELLING MARKER) 4	4/pk	50
21	Marker Highlighter	12/pk	10
22	Note pads Large	Each	50
23	Packing Tape 3 inch	Each	20
24	Paper Basket tray shape	Each	50
25	Paper envelops-size 3.8"*5.4	Each	200
26	Paper tags	Each	10 pk
27	Plastic sheets 3*9	Each	50
28	Printing paper A4 70gm (5 reams/box)	(5 reams/box)	10 Box
29	Printing paper A4 80gm (5 reams/box)	(5 reams/box)	50 Box
30	Printing paper B4 80gm (5 reams/box)	(5 reams/box)	25 Box
31	Punch machine	Each	10
32	Receipt Book (TRIPLICATE CARBENLESS) 5	50receipts/book	50
33	Register #16	Each	50
34	Rubber Band	100/pk	50 pk
35	Scotch tape 1 Inch	Roll	200
36	Stamp Pad	Each	10
37	STAPLER LARGE HS2000	Each	3 NO
38	Stapler Medium	Each	25
39	STAPLER PIN (24/6MM)	20pkt / box	10 Box

40	Steel Scale	Each	20
41	Sticky notes	Each	10
42	STOCK REGISTER (200Pages)	Each	20
43	Tape Dispenser	Each	10
44	Thumb Pin	50/pk	10
45	TONER # HP Laserjet 1320	Each	5
46	TONER # HP Laserjet 2055D	Each	10
47	TONER 26-A	Each	10
48	TONER 80-A	Each	5
49	Transparent plastic sheets for binding A4 size	100/pack	500 sheets

## Lot 04 Kits

The Company/Manufacturer/Catalog numbers are mentioned only as a reference to avoid ambiguity in model, variant, size, grade, or configuration.

Sr.#	Items	Brand/Manufacturer/Company or equivalent	Catalogue#	Pack Size	Qty.
1	ABI- 7500 96- Well calibration kit	ABI	4349180	Kit	1kit
2	ABI-48 Well Calibration kit	ABI	4371433	Kit	1kit
3	BCA protein assay kit	Thermo Scientific	23227	500ml	1*1 kit 500mL
4	Bicinchoninic Acid kit for protein determination	Sigma Aldrich	BCA1	Kit	1 kit
5	BIGDYE Direct cycle Sequencing kit	ABI	4458687	100Rxns	5Kit
6	BIGDYE Terminator V3.1 RR-100 & Sequencing Buffer	ABI	4336917	100Rxns	5*100Rxns
7	Cell Cytotoxicity Assay Kit (Colorimetric)	ABCAM or Equivalent	(ab112118)-1000 TESTS	1000TESTS	1000TESTS
8	CloneJet PCR Cloning Kit	Thermoscientific	K1231	20 Reaction	20 Reaction
9	CP4ESPS ELSIA Kit for sugarcane	Goldstandard Eurofin or Equalent	A011	Kit	1
10	Cry1Ac,Cry2A, CP4ESPS LF Strips for Sugarcane	Goldstandard Eurofin or Equalent	AID035	Kit	1
11	CRy1Ac,Cry2A, ELISA kit for Sugarcane	Goldstandard Eurofin or Equalent	AID017	Kit	1
12	Cytotoxicity Detection KitPLUS (LDH)sufficient for 2,000 multiwell tests	Sigma Aldrich or Equalant	CYTODET-RO ROCHE (04744934001)	2000 tests	2000 tests
13	ExoSAP	Applied Biosystems	78201.1.ML	1000 Units	2 Kit
14	EZ DNA Methylation-Gold Kit	Zymo research or equivalent	D5005	50 reactions	1*50 reactions
15	fastAP Alkaline Phosphatase, 1000U	Thermo Fisher Scientific (Fermentas) or Equivalent	EF0651	1000 Units	3*1000 Units
16	First Strand cDNA synthesis Kit	Thermo Fisher Scientific (Fermentas) or Equivalent	K1622	100Rxns	7*100 rxn
17	Gel Extraction Kit	Thermo Scientific	K0692	250 preps	1*250 preps
18	Gene Jet Gel Extraction Kit	Thermo Fisher Scientific (Fermentas) or Equivalent	K0692	250 preps	5 of 250 Reactins
19	Gene Jet Plasmid Kit	Thermo Fisher Scientific (Fermentas) or Equivalent	K 0503	250 preps	5 of 250 Reactins

## Lot 04 Kits

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Sr.#	Items	Brand/Manufacturer/Company or equivalent	Catalogue#	Pack Size	Qty.
20	Gene Jet Plasmid Miniprep Kit	Thermoscientific	K0502	50 reaction	10 of 50 Reactions
21	GeneJET PCR Purification Kit	Thermo Fisher Scientific or Equivalent	K0702	250 rxn	3 of 250 rxn
22	Gibco™ StemPro™ Adipogenesis Differentiation Kit	Thermo/Stemcell αMEM based	A1007001	Kit	1 kit
23	Gibco™ StemPro™ Chondrogenesis Differentiation Kit	Thermo / StemPro Chondro	A1007101	Kit	1 kit
24	Gibco™ StemPro™ Osteogenesis Differentiation Kit	Thermo / StemPro Osteo	A1007201	Kit	1 kit
25	HGF ELISA Kit	ELK Biotechnology or equivalent	ELK10180	48 Tests	1*48 T
26	High fidelity PCR mix	Thermo Fisher Scientific (Fermentas) or Equivalent	K 0192	1000 Units	1000 Units
27	Human anti-HPV1 IgG ELISA kit	Alpha diagnostic international	Cat. No.550-500-PHG	96 tests	1*96 tests
28	Influenza A H9N2 Hemagglutinin/HA ELISA kit	Sino Biological	A/Hong Kong/1073/99	Kit	2
29	Long PCR Enzyme Mix (5 U/μL)	Thermo Fisher Scientific (Fermentas) or Equivalent	Cat # K0182	1ml	5X1ml
30	Maxi prep plasmid isolation kit	Thermo Scientific	K210007	25 preps	2*25 preps
31	Maxima SYBR green /ROX qPCR Master mix (2X)	Thermoscientific™	K0222	1000Rxns	8*1000Rxns
32	Mini prep plasmid isolation kit	Thermo Scientific	K0503	250 preps	1*250 preps
33	mirVana rM miRNA isolation	Thermofisher Invitrogen™	AM1561	40 Preps	2*40 Preps
34	Monarch Plasmid Miniprep Kit	NEB or Equivalent	T1010L	100 RXN	1*100 RXN
35	PAT/Bar ELISA kit for sugarcane	Goldstandard Eurofin or Equalent	AID018	Kit	1
36	PAT/Bar LF Strips for sugarcane	Goldstandard Eurofin or Equalent	AID029	Kit	1
37	Q5® Site-Directed Mutagenesis Kit	New England BioLabs (NEB) or equivalent	E0554S	10 reactions	3*10 reactions
38	QIAquick Gel Extraction Kit	Qiagen or Equivalent	28704	50 reactions	50 reactions

## Lot 04 Kits

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Sr.#	Items	Brand/Manufacturer/Company or equivalent	Catalogue#	Pack Size	Qty.
39	Quick Ligation kit	Biolabs	M2200S		1
40	Rapid DNA Ligation Kit	Thermo Fisher Scientific (Fermentas) or Equivalent	K1422	50 rxn	3 of 50 rxn
41	Real-Time PCR (qPCR) Kit (SYBR Green)	Thermo Scientific	K0221 / A25742	500Rxn	1*500Rxn
42	Senescence Detection Kit	MilliporeSigma	KAA002	250 tests	1*250 tests
43	T-IMP 3 ELISA KIT	ELK Biotechnology or equivalent	ELK2313	48 Tests	1*48 T
44	Total exosome RNA and protein isolation kit	Invitrogen	4478545	Kit	1 kit
45	VEGF ELISA Kit	ELK Biotechnology or equivalent	ELK1008	48 Tests	1*48 T
46	VIP3A LF strips for sugarcane	Goldstandard Eurofin or Equalent	AID031	Kit	1

## Lot 05 Cell Lines

The Company/Manufacturer/Catalog numbers are mentioned only as a reference to avoid ambiguity in model, variant, size, grade, or configuration.

Sr.#	Name	Brand/Manufacturer/Company or equivalent	Cat.#	Quantity
1	CRL-1586 VERO C1008 [Vero 76, clone E6, Vero E6]	ATCC (Cell Lines) or Equivalent	CRL-1586	2
2	CRL-1660 Aedes albopictus clone C6/36	ATCC (Cell Lines) or Equivalent	CRL-1660	2
3	MEF (CF-1); Mouse fibroblast	ATCC (Cell Lines) or Equivalent	SCRC-1040	2
4	KYON-DXR0109B hiPSC; Induced Pluripotent Stem Cell; Human	ATCC (Cell Lines) or Equivalent	ACS-1023	2
5	3T3-Swiss albino; Embryo Fibroblast; Mouse (Mus musculus)	ATCC (Cell Lines) or Equivalent	CCL-92	2
6	Cell Matrix Basement Membrane Gel	ATCC (Cell Lines) or Equivalent	ACS-3035	2
7	Pluripotent Stem Cell SFM XF/FF	ATCC (Cell Lines) or Equivalent	ACS-3002	2
8	Rock Inhibitor Y27632	ATCC (Cell Lines) or Equivalent	ACS-3030	2
9	HUV-EC-C; Vascular Endothelium; Human (Homo sapiens)	ATCC (Cell Lines) or Equivalent	CRL-1730	2
10	RAW 264.7; Macrophage; Mouse (Mus musculus)	ATCC (Cell Lines) or Equivalent	TIB-71	2
11	SW 982; Synovial Sarcoma; Human (Homo sapiens)	ATCC (Cell Lines) or Equivalent	HTB-93	2
12	SW1353; Chondrosarcoma; Human (Homo sapiens)	ATCC (Cell Lines) or Equivalent	HTB-94	2
13	MCF-12A; Mammary Gland; Human	ATCC (Cell Lines) or Equivalent	CRL-10782	2
14	SNU-423; Hepatocellular Carcinoma: Human (Homo sapiens)	ATCC (Cell Lines) or Equivalent	CRL-2238	2
15	Liver Cancer Cell Line Panel	ATCC (Cell Lines) or Equivalent	TCP-1011	2
16	T-47D; Breast Cancer; Human	ATCC (Cell Lines) or Equivalent	HTB-133	2
17	HCC-38 Basal B	ATCC (Cell Lines) or Equivalent	CRL-2314	2

## Lot 05 Cell Lines

The Company/Manufacturer/Catalog numbers are mentioned only as a reference to avoid ambiguity in model, variant, size, grade, or configuration.

Sr.#	Name	Brand/Manufacturer/Company or equivalent	Cat.#	Quantity
18	Hep G2; Hepatocellular Carcinoma; Human (Homo sapiens)	ATCC (Cell Lines) or Equivalent	HB-8065	2
19	CHO-K1; Ovary; Chinese hamster (Cricetulus griseus)	ATCC (Cell Lines) or Equivalent	CRL-9618	2
20	MCF 10A; Breast; Human (Homo sapiens)	ATCC (Cell Lines) or Equivalent	CRL-10317	2
21	MCF7; Breast Adenocarcinoma; Human (Homo sapiens)	ATCC (Cell Lines) or Equivalent	HTB-22	2
22	HCC-1599 Basal A	ATCC (Cell Lines) or Equivalent	CRL-2331	2
23	MDA-MB-468; Breast Adenocarcinoma; Human (Homo sapiens)	ATCC (Cell Lines) or Equivalent	HTB-132	2
24	MDA-MB-231; Breast Adenocarcinoma; Human (Homo sapiens)	ATCC (Cell Lines) or Equivalent	HTB-26	2
25	Stem Cell Dissociation Reagent	ATCC (Cell Lines) or Equivalent	ACS-3010	2
26	F-12K Medium (Kaighn's Modification of Ham's F-12 Medium)	ATCC (Cell Lines) or Equivalent	30-2004	2
27	A-431	ATCC (Cell Lines) or Equivalent	CRL-1555	2
28	A-375	ATCC (Cell Lines) or Equivalent	CRL-1619	2
29	CHO-K1	ATCC (Cell Lines) or Equivalent	CCL-61	2
30	BxPC-3	ATCC (Cell Lines) or Equivalent	CRL-1687	2
31	HT-29, Coloveetal Adenocarcinoma	ATCC (Cell Lines) or Equivalent	HTB-38	2
32	LS174T, Duke's type B, Coloveetal adenocarcinoma	ATCC (Cell Lines) or Equivalent	CL-188	2

## Lot 06 Equipment

The Company/Manufacturer/Catalog numbers are mentioned only as a reference to avoid ambiguity in model, variant, size, grade, or configuration.

Sr.#	NAME	Brand/Manufacturer/Company or equivalent	CAT. NUMBER	QTY.
1	<p>Printer: LaserJet Wireless            Body Colour: White            Function: Print, Copy, Scan            Print Technology: Laser            Print Speed: Up to 20 ppm            Copy Speed: Up to 20 cpm            Duplex Printing: Manual            Print Resolution: Up to 1,200 x 1,200 dpi            Scan Resolution: Up to 4800 x 4800 dpi            Media Size Supported: A4; A5; A5 (LEF); B5 (JIS); Oficio; Envelope (DL, C5)            Wireless Capability: Yes            Ethernet Compatibility: Yes            No. Of Cartridge: Black</p>	HP or equivalent	MFP 137FNW	1
2	<p>Printer: Printer            Body Colour: White            Function: Print, Copy, Scan            Print Technology: Laser            Print Speed: Up to 20 ppm            Duplex Printing: No            Print Resolution: Up to 600 x 600 dpi            Wireless Capability: No            Ethernet Compatibility: No            No. Of Cartridge: Black</p>	HP or equivalent	HP Laserjet M141A	1
3	<p>Centrifuge: Centrifuge 5702 R – Technical Specifications            Maximum RCF: 3,000 × g            Speed: 100–4,400 rpm (in 100 rpm increments)            Maximum Capacity: 4 × 100 mL            Rotors Available: 6            Acceleration Time: 25 seconds            Deceleration Time: 25 seconds            SOFT Brake Function: Yes            Timer: 0–99 minutes, with continuous run function            Temperature Settings: –9 °C to 40 °C            Noise Level: &lt;45 dB(A) with Rotor A-4-38            Maximum Power Consumption: 380 W            Dimensions (W × D × H): 38 × 58 × 26 cm            Height (with open lid): 60 cm            Weight (without rotor): 36 kg</p>	Eppendroff or equivalent	Centrifuge 5702 R	1

4	<p>Microscope:Olympus CK2 Inverted Phase          Contrast:HeadBinocular          Eyepieces10× / 18          Nosepiece4-position          Objectives4× A / E A          10× A PL          20× LWD C A PL          Stage:Plain stage          Condenser:ULWCD, 0.3 N.A.          Phase Contrast:Phase contrast slider          Focusing: Coarse and fine          Light Source:Halogen</p>	Olympus or equivalent	Olympus CK2	1
5	<p>Incubator: Heraeus HeraCell 150 Incubator          Technical specifications          Voltage: 230V, 50/60Hz          Current: 2.5A          Power: 0.58kW          Temperature range: fixed values between 50 °C          and 90 °C          External dimensions (W) x (D) x (H): 64 x 69          x 85 cm          Internal dimensions (W) x (D) x (H): 42 x 46 x          60 cm</p>	Heraeus HeraCell 150 or equivalent		1
6	UPS FOR STORE	UPS 1.5 KVA MODEL SUA 1500 WITH BATTERIES 12VOLT 18 AMP	APC/AGS	2