

## ***Section VI. Schedule of Requirements***

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

<b>Item no.</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Total ABC</b>	<b>Division</b>	<b>Delivery Period</b>
1	Agarose	3	bottle	60,000.00	CBC	45 calendar days
2	Agarose	1	bottle	6,900.00	CBC	
3	Agarose	2	bottle	30,000.00	PBBD	
4	Cleaning agent for removing Rnase	2	bottle	38,000.00	CBC	
5	Ethanol, Beta mercaptoethanol	1	bottle	30,000.00	CBC	
6	Ethyl Alcohol	10	gallon	25,000.00	CBC	
7	Glycine	1	bottle	15,000.00	CBC	
8	Iodine Sublimed	1	bottle	10,000.00	PBBD	
9	Maltose	5	bottle	80,000.00	PBBD	
10	Mineral Oil	4	bottle	32,000.00	CBC	
11	MS Salt	2	bottle	60,000.00	PBBD	
12	Nucleic acid stain	3	bottle	24,000.00	CBC	
13	PCR Buffer	2	pack	8,000.00	CBC	
14	Polyethylene Glycol,	13	bottle	110,500.00	CBC	
15	Propanol, Isopropanol	1	bottle	2,500.00	CBC	
16	Tris Base	4	bottle	20,000.00	PBBD	
17	Tris Base	5	bottle	25,000.00	CBC	
18	96-well Plate Sealing Film	2	pack	7,000.00	CBC	
19	Beaker	2	piece	178.00	CBC	
20	Beaker	2	piece	338.00	CBC	
21	Beaker	2	piece	218.00	CBC	
22	Beaker	2	piece	278.00	CBC	
23	Cell Culture Plate	1	case	8,319.00	CBC	
24	Conical Tubes	5	pack	2,100.00	CBC	
25	Conical Tubes	2	pack	4,024.00	CBC	
26	Cryogenic Tube	3	pack	26,400.00	CBC	
27	Graduated Cylinder	3	piece	2,397.00	CBC	
28	Graduated Cylinder	3	piece	1,797.00	CBC	
29	Interfolded Paper Towel	33	pack	4,950.00	PBBD	
30	Laboratory Spatula,	5	piece	495.00	CBC	
31	Laboratory Spatula,	5	piece	375.00	CBC	
32	Magnetic stirring bar assortments w/ storage box	2	set	2,337.24	CBC	
33	Microplates	1	box	18,500.00	CBC	
34	Microtubes	4	pack	4,000.00	CBC	
35	Microtubes	33	pack	33,000.00	PBBD	
36	Microtubes	33	pack	33,000.00	PBBD	
37	Microtubes,	4	pack	4,000.00	CBC	
38	Millipore Filtering Cloth/Membrane,	1	pack	7,950.00	CBC	
39	Nylon Membrane Circle,	1	pack	10,000.00	CBC	
40	PCR Plates,	7	case	105,000.00	PBBD	
41	PCR Plates,	38	case	152,000.00	PBBD	
42	Petri dish with cover lid	500	piece	25,000.00	PBBD	
43	Petri Dish,	10	pack	4,460.00	CBC	
44	Pipette Tips	3	pack	3,000.00	CBC	
45	Pipette Tips	6	case	30,600.00	PBBD	
46	Pipette Tips	3	pack	3,000.00	CBC	
47	Pipette Tips	1	case	21,000.00	PBBD	

48	Pipette Tips,	3	pack	1,800.00	CBC	
49	Reagent Bottle	2	piece	3,086.00	CBC	
50	Reagent Bottle	2	piece	4,560.00	CBC	
51	Reagent Bottle	2	piece	3,344.00	CBC	
52	Reagent Bottle	2	piece	3,750.00	CBC	
53	Reagent Bottle	3	piece	4,329.00	CBC	
54	Reagent Bottle	3	piece	5,850.00	CBC	
55	Reagent Bottle	3	piece	4,497.00	CBC	
56	Reagent Bottle	3	piece	5,163.00	CBC	
57	Sealing Film	1	pack	35,000.00	CBC	
58	Stirring Rod/ Bar Retriever	5	set	1,992.10	CBC	
59	Stirring Rod	2	set	760.00	CBC	
60	Wash Bottles	5	piece	625.00	CBC	

**Total ABC: PhP 1,167,372.34**

## ***SECTION VII. Technical Specifications***

<b>Item</b>	<b>Specification</b>	<b>Statement of Compliance</b>
1	<p><b>Three (3) bottles Agarose</b></p> <p>Gelling temperature: 34.5-37.5°C EEO (electroendosmosis) (-Mr): 0.09-0.13 Gel strength (1.0%): greater than or equal to 1,200 g/cm<sup>2</sup></p> <p>Sulfide: less than or equal to 0.15%</p> <p>Storage: room temperature;</p> <p>For separation of &gt;1 kbp DNA; 100g;</p> <p>Good quality for sensitive experiments (ex. Chromatin immunoprecipitation or ChIP);</p> <p>Clearer bands in the gel after gel electrophoresis as observed in our previous laboratory experiences.</p>	
2	<p><b>One (1) bottle Agarose</b></p> <p>Ash &lt;= 0,4%, Clarity 1,5 % (NTU) &lt;= 3, Gel strength 1% (g/cm<sup>2</sup>) &gt;=1200 g/cm<sup>2</sup>, Gel strength 1,5% (g/cm<sup>2</sup>) &gt;= 2500 g/cm<sup>2</sup>,</p> <p>Gelling temperature 1,5 % (°C) 36±1,5 °C, Melting temperature 1,5% (°C) 88±1,5 °C, Color- White, Appearance- Fine, homogeneous powder, Sulphate &lt;= 0,10%; 500g</p>	
3	<p><b>Two (2) bottles Agarose</b></p> <p>Low EEO, 500g</p> <p>Appearance: White to off-white crystals or powder</p> <p>DNases: none detected</p> <p>RNases: none detected</p>	

	<p>Gel point (1.50 % gel) : 34.50 -37.50 °C,  Gel strength (1.50% gel) : min. 1200 gm/gcm<sup>2</sup>  Sulphated ash: &lt;=0.50%  Loss on drying (at 105 °C, 1hr) : &lt;= 10.00%  Electroendosmosis (-MR) : 0.09 – 0.13</p>	
4	<p><b>Two (2) bottles Cleaning agent for removing Rnase</b></p> <p>475ml; spray bottle; effectively removes RNA and RNase contamination; can be used for plastic, aluminum and glass; safe and easy surface decontamination agent</p>	
5	<p><b>One (1) bottle Ethanol, Beta mercaptoethanol</b></p> <p>also known as 2-Merca; for molecular biology, suitable for electrophoresis, suitable for cell culture, 99% (GC/titration); 500mL</p>	
6	<p><b>Ten (10) gallon Ethyl Alcohol</b></p> <p>analytical grade (absolute ethyl alcohol); 99.9% ; 1 gallon (~4L)</p>	
7	<p><b>One (1) bottle Glycine</b></p> <p>molecular biology grade; Amino acid for use in cell culture media development applications, 1kg</p>	
8	<p><b>One (1) bottle Iodine Sublimed</b></p> <p>Iodine, resublimed crystals, ACS grade, 99.8%, 500g</p>	
9	<p><b>Five (5) bottles Maltose</b></p> <p>AR Grade, powder, plant tissue culture tested, 1kg/bottle</p>	
10	<p><b>Four (4) bottles Mineral Oil</b></p> <p>molecular grade, 500ml</p>	
11	<p><b>Two (2) bottles MS Salt</b></p> <p>Murashige and Skoog Basal Salt Mixture (MS), powder, Plant Tissue Culture tested, 50L</p>	
12	<p><b>Three (3) bottles Nucleic acid stain</b></p> <p>Nucleic Acid Stain, 10000X, 0.5ml; for Gel Electrophoresis using PAGE, 1ml</p>	
13	<p><b>Two (2) packs PCR Buffer</b></p> <p>5x green PCR reaction buffer with pre-mixed MgCl<sub>2</sub>, 5mL</p>	
14	<p><b>Thirteen (13) bottles Polyethylene Glycol</b></p> <p>PEG6000; Polyethylene glycol 6,000; for molecular biology; 500g; H(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>OH; Average MW: 7,300-9,300;</p>	
15	<p><b>One (1) bottle Propanol, Isopropanol</b></p>	

	analytical reagent, for molecular biology use: DNA extraction, 2.5L;	
16	<b>Four (4) bottles Tris Base</b> Tris base (trisaminomethane), for molecular biology, 500g	
17	<b>Five (5) bottles Tris Base</b> Tris base (trisaminomethane), for molecular biology, 500g	
18	<b>Two (2) packs 96-well Plate Sealing Film</b> PCR plate clear sealing film for 96 wells	
19	<b>Two (2) pieces Beaker</b> 100 mL, plastic, food grade, non-autoclaveable, with handle	
20	<b>Two (2) pieces Beaker</b> 1000mL, plastic, food grade, non-autoclaveable, with handle	
21	<b>Two (2) pieces Beaker</b> 250 mL, plastic, food grade, non-autoclaveable, with handle	
22	<b>Two (2) pieces Beaker</b> 500 mL, plastic, food grade, non-autoclaveable, with handle	
23	<b>One (1) case Cell Culture Plate</b> cell culture plate for the antibody shaking, flat-bottomed 96-well plates, case of 60; 127.71 mm x 85.43 mm x 14.10 mm (LxWxH)	
24	<b>Five (5) packs Conical Tubes</b> 15mL sterile conical bottom plastic centrifuge tubes with graduated marks, screw cap, 50pcs/pack; autoclaveable	
25	<b>Two (2) packs Conical Tubes</b> 50mL sterile conical skirted bottom plastic centrifuge tubes with graduated marks, screw cap; 50pcs/pack; autoclaveable	
26	<b>Three (3) packs Cryogenic Tube</b> 2mL capacity, cryogenic tubes used for liquid N/ freezing tubes, can withstand liquid Nitrogen and very low temperature (-80C); Certified RNase, DNase and Pyrogen-Free, flat-top cap design, piercing port, frosted writing area and precise graduations, Boil-Proof, conical bottom, can withstand up to 20,000 RCF and snaplock cap assures efficient seal	
27	<b>Three (3) pieces Graduated Cylinder</b> 1000mL, plastic	

28	<b>Three (3) pieces Graduated Cylinder</b> 500 mL, plastic	
29	<b>Thirty-three (33) packs Interfolded Paper Towel</b> 195x205mm, highly absorbent, made up of 100% virgin pulp, dermatologist-tested, 1 ply x 175 pulls, 34gsm	
30	<b>Five (5) pieces Laboratory Spatula</b> Stainless steel lab micro spatula medicine spoon/ scoop/ shovel, single head; 15 cm length; double end micro-spoon	
31	<b>Five (5) pieces Laboratory Spatula</b> stainless steel lab measuring spatula/ micro spoon; 121x13x2.5mm	
32	<b>Two (2) sets Magnetic stirring bar assortments w/ storage box</b> 1 x Length 10mm Diameter 4mm 1 x Length 15mm Diameter 6mm 1 x Length 20mm Diameter 6mm 1 x Length 25mm Diameter 7mm 2 x Length 30mm Diameter 7mm 1 x Length 35mm Diameter 8mm	
33	<b>One (1) box Microplates</b> Flexible Flat-Bottom Microplate without Lid; 96-Well x 250µL Flexible Flat-Bottom Microplate without Lid, Non-Treated Clear PVC, Non-Sterile, case of 50	
34	<b>Four (4) packs Microtubes</b> 1.5ml, autoclaveable; for molecular biology use, 500 pc/pack; Microtubes Certified RNase, DNase and Pyrogen-Free, flat-top cap design, piercing port, frosted writing area and precise graduations, Boil-Proof, conical bottom, can withstand up to 20,000 RCF and snaplock cap assures efficient seal	
35	<b>Thirty-three (33) packs Microtubes</b> 1.5ml, clear, autoclavable, Certified RNase, DNase and Pyrogen-Free, flat-top cap design, piercing port, frosted writing area and precise graduations, Boil-Proof, conical bottom, can withstand up to 20,000 RCF and snaplock cap assures efficient seal, 500pcs/pack,	
36	<b>Thirty-three (33) packs Microtubes</b> 2.0ml, autoclavable, Certified RNase, DNase and Pyrogen-Free, flat-top cap design, piercing port, frosted writing area and precise graduations, Boil-Proof, conical bottom, can withstand up to 20,000 RCF and snaplock cap assures	

	efficient seal, 500pcs./pack	
37	<p><b>Four (4) packs Microtubes</b></p> <p>2ml, autoclaveable; for molecular biology use, 500 pc/pack; Certified RNase, DNase and Pyrogen-Free, flat-top cap design, piercing port, frosted writing area and precise graduations, Boil-Proof, conical bottom, can withstand up to 20,000 RCF and snaplock cap assures efficient seal</p>	
38	<p><b>One (1) pack Millipore Filtering Cloth/Membrane</b></p> <p>quick filtration material for homogenates composed of rayon-polyester with an acrylic binder, all-purpose reusable cloths; Typical pore size: 22-25 um; dimension: 19 in x 16 in; can be autoclaved</p>	
39	<p><b>One (1) pack Nylon Membrane Circle</b></p> <p>0.45µm pore size, 47 mm diameter; 100pcs/pack; can filter all aqueous solutions and most organic compounds; for molecular biology use</p>	
40	<p><b>Seven (7) cases PCR Plates</b></p> <p>0.2 ml, 96-well Flat Top Polypropylene PCR Microplate, Full Skirt, Clear, Nonsterile, 50pcs/case</p>	
41	<p><b>Thirty-eight (38) cases PCR Plates</b></p> <p>0.2 ml, 96-well Flat Top Polypropylene PCR Microplate, No Skirt, Clear, Nonsterile, 50pcs/case</p>	
42	<p><b>Five hundred (500) pieces Petri dish with cover lid</b></p> <p>Polystyrene no.160, plastic petri plates 90x15mm, pack of 2</p>	
43	<p><b>Ten (10) packs Petri Dish</b></p> <p>rectangle size only, clear plastic, 90ml capacity; 146mm x 96mm x 25mm (LxWxH); for root viewing under microscope, 10pcs/pack</p>	
44	<p><b>Three (3) packs Pipette Tips</b></p> <p>1-200uL, yellow tips nonsterile, 1,000 tips/pack; fit multichannel and single pipettes from many manufacturers; low retention; Certified RNase, DNase and Pyrogen-Free</p>	
45	<p><b>Six (6) cases Pipette Tips</b></p> <p>blue, 100-1000 ul, bevelled pipet tips, nonsterile, 1,000 tips/pack, 5 pack/case, fit multichannel and single pipettes from many manufacturers; low retention; Certified RNase, DNase and Pyrogen-Free</p>	
46	<p><b>Three (3) packs Pipette Tips</b></p>	

	blue, 100-1000 ul, bevelled pipet tips, nonsterile, 1000 tips/pack,; fit multichannel and single pipettes from many manufacturers; low retention; Certified RNase, DNase and Pyrogen-Free	
47	<b>One (1) case Pipette Tips</b> clear, 0.5-10 ul, micro volume pipet tips, nonsterile, low binding, 1,000 tips/pack, 20 pack/case, fit multichannel and single pipettes from many manufacturers; low retention; Certified RNase, DNase and Pyrogen-Free	
48	<b>Three (3) packs Pipette Tips</b> 10uL capacity, white, nonsterile, 1,000 tips/pack, fit multichannel and single pipettes from many manufacturers; low retention; Certified RNase, DNase and Pyrogen-Free	
49	<b>Two (2) pieces Reagent Bottle</b> amber, 100 mL, screwcap, glass, autoclavable	
50	<b>Two (2) pieces Reagent Bottle</b> amber, 1000 mL, screwcap, glass, autoclavable	
51	<b>Two (2) pieces Reagent Bottle</b> amber, 250 mL, screwcap, glass, autoclavable	
52	<b>Two (2) pieces Reagent Bottle</b> amber, 500 mL, screwcap, glass, autoclavable	
53	<b>Three (3) pieces Reagent Bottle</b> clear, 100 mL, screwcap, glass, autoclavable	
54	<b>Three (3) pieces Reagent Bottle</b> clear, 1000 mL, screwcap, glass, autoclavable	
55	<b>Three (3) pieces Reagent Bottle</b> clear, 250 mL, screwcap, glass, autoclavable	
56	<b>Three (3) pieces Reagent Bottle</b> clear, 500 mL, screwcap, glass, autoclavable	
57	<b>One (1) pack Sealing Film</b> qPCR optical 96-well plate seal with adhesive film applicator; clear, 100 films / pack	
58	<b>Five (5) sets Stirring Rod/ Bar retriever</b> set of 3 pcs; white; plastic magnetic, iron-core; one size: 12 inches	
59	<b>Two (2) sets Stirring Rod</b>	

	set of 3 pcs; white; glass, iron-core; different lengths: 12 inches, 10 inches, 8 inches	
60	<b>Five (5) pieces Wash Bottles</b> narrow neck wash bottle, white; ordinary; 250mL capacity	
	*****nothing follows*****	