

Republic of the Philippines
University of the Philippines Mindanao
Mintal, Tugbok District, Davao City

Date: 24 January 2022

BID BULLETIN NO. 01

**Supply of Kits, Reagents and
Consumables of the Philippine Genome
Center Mindanao (PBM 2021-028)**

This Bid Bulletin is issued for the revisions in the **TECHNICAL SPECIFICATIONS**

Please refer to the attached Revised Technical Specifications.

The rest of the bid documents remain unchanged.

For guidance of all concerned.



PROF. VLADIMER B. KOBAYASHI

Chair, Bids and Awards Committee for Goods

Received by the bidder:

Signature over printed name/date received

Technical Specifications

Item	Specification	Statement of Compliance
	<p style="text-align: center;">General Terms</p> <ol style="list-style-type: none"> 1. The kits, reagents, and consumables must be supplied by an eligible distributor/supplier in the country with an applications specialist and sales representative in the Philippines (only applicable for Lots 1 to 7). 2. Delivery in required/appropriate storage temperature/conditions. 3. Damaged/defective kits and reagents due to manufacturing or transportation conditions within one year from delivery should be replaced by the supplier within 3 months (Lots 1 to 5). 4. Expiration dates for kits and reagents should be at least one year upon delivery. 	<p><i>[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder’s statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances]</i></p>

Item	Specification	Statement of Compliance	
	<p>LOT 1: Viral RNA Extraction Kit (22 kits) Delivery period: Forty five (45) calendar days Delivery: CSM, UP Mindanao Mintal, Tugbok District, Davao City</p>		
	<ul style="list-style-type: none"> ● 250 reactions per kit 		
	<ul style="list-style-type: none"> ● Each kit includes lysis buffer, wash buffer(s), elution buffer lyophilized carrier RNA, spin columns and collection tubes sufficient for 250 reactions 		

	<ul style="list-style-type: none"> Validated product for the Illumina COVIDseq workflow based on any of the following documents: <ul style="list-style-type: none"> Illumina COVIDSeq Test protocol Peer-reviewed journal article on Illumina COVIDSeq 		
	<ul style="list-style-type: none"> With Certificate or Letter of Authorization from the manufacturer that guarantee after sales support 		
LOT 2: DNA Size Distribution Analysis Kit (2 kits) Delivery period: Forty five (45) calendar days Delivery: CSM, UP Mindanao Mintal, Tugbok District, Davao City			
	<ul style="list-style-type: none"> For separation, sizing, and quantification of dsDNA 		
	<ul style="list-style-type: none"> For analysis of DNA from 50 to 7,000 bp 		
	<ul style="list-style-type: none"> Quantitative range of 5-500 pg/ul 		
	<ul style="list-style-type: none"> Each kit includes 10 DNA chips, 1 electrode cleaner, 1 syringe, 3 spin filters, and the following reagents: DNA 1000 Ladder, DNA 1000 Markers 15/1500 bp (2 vials), DNA dye concentrate (1 vial), and DNA Gel Matrix (3 vials) 		
	<ul style="list-style-type: none"> Compatible with Agilent 2100 Bioanalyzer 		
	<ul style="list-style-type: none"> Compatible with Illumina sequencing workflow 		
LOT 3: DNA Size Selection Beads (120 ml) Delivery period: Forty five (45) calendar days Delivery: CSM, UP Mindanao Mintal, Tugbok District, Davao City			
	<ul style="list-style-type: none"> Minimum volume : 120 ml 		
	<ul style="list-style-type: none"> Uses the solid phase reversible immobilization bead technology for DNA purification 		
	<ul style="list-style-type: none"> Used in a variety of NGS library prep chemistries 		
	<ul style="list-style-type: none"> Compatible with manual and automated processing 		
	<ul style="list-style-type: none"> High recovery of amplicons > 100 bp 		
	<ul style="list-style-type: none"> Predictable and consistent size selection 		
	<ul style="list-style-type: none"> Compatible with Illumina sequencing workflow 		
LOT 4: Sequencing Test Kit & Reagents Delivery period: Forty five (45) calendar days Delivery: CSM, UP Mindanao Mintal, Tugbok District, Davao City			
	1. SARS-CoV-2 RNA Sequencing Kit, (4 kits)		
	<ul style="list-style-type: none"> Good for 3072 reactions/samples Must include reagents for the following steps: cDNA synthesis, target amplification, library preparation and quantification and sequencing 		

	proper		
	<ul style="list-style-type: none"> ● Includes the following reagents and consumables: <ul style="list-style-type: none"> ○ Tuning beads ○ Stop tagmentation buffer ○ Enrichment reagent, resuspension buffer, elution buffer and tagmentation wash buffer ○ Primer pool 1 and 2 for targeting SARS-CoV-2 (target) and human transcripts (internal control) ○ Elution prime fragment mix ○ Enhanced PCR mix ○ First strand mix ○ PCR mix ○ Reverse transcriptase ○ Tagmentation buffer ○ Positive control consisting of SARS-CoV-2 ssRNA fragments 		
	<ul style="list-style-type: none"> ● Compatible with the Illumina NextSeq 1000 or 2000 sequencing platform 		
	2. PCR Indexes Sets 1-4 (28 kits)		
	<ul style="list-style-type: none"> ● Length: 10 base sequence indexes 		
	<ul style="list-style-type: none"> ● 96-well plate format per set, sets 1-4 with a total of 384 unique indexes 		
	<ul style="list-style-type: none"> ● Compatible with the Illumina NextSeq 1000 or 2000 sequencing platform 		
	3. High-throughput Sequencing Reagent kit (36 kits)		
	<ul style="list-style-type: none"> ● Kitted reagents for 300 cycles of sequencing, plus dual- indexing support (up to 400M single reads). 		
	<ul style="list-style-type: none"> ● Includes: NextSeq 1000 or 2000 Reagent Cartridge (300 cycles), NextSeq 1000 or 2000 P2 Flow Cell, and resuspension buffer with Tween 20 		
	<ul style="list-style-type: none"> ● Compatible with the Illumina NextSeq 1000 or 2000 sequencing platform 		
	4. Low-throughput sequencing Reagent kit (20 kits)		
	<ul style="list-style-type: none"> ● No of cycles: 300 		
	<ul style="list-style-type: none"> ● Compatible with the Illumina iSeq 100 sequencing platform 		
	<ul style="list-style-type: none"> ● Can be used for single-read and paired-end sequencing 		
	<ul style="list-style-type: none"> ● Uses the sequencing by synthesis chemistry 		
	<ul style="list-style-type: none"> ● Nucleic Acid Type: DNA, RNA 		
	<ul style="list-style-type: none"> ● Includes: reagent cartridge and flow cell 		
	5. Adapter-ligated DNA control library (3 kits)		

	<ul style="list-style-type: none"> • Kitted DNA control for the Illumina sequencing platform 		
	<ul style="list-style-type: none"> • Compatible with Single and Paired End reads up to 150 base pairs 		
	<ul style="list-style-type: none"> • Derived from PhiX genome 		
	<ul style="list-style-type: none"> • 10ul of 10nM template solution per kit 		
	6. Hybridization Buffer (2 bottles)		
	<ul style="list-style-type: none"> • Used to dilute denatured libraries and dilute the PhiX control library prior to sequencing 		
	<ul style="list-style-type: none"> • Compatible for use with Illumina systems 		
LOT 5: Quality Control Assay			
Delivery period: Forty five (45) calendar days			
Delivery: CSM, UP Mindanao Mintal, Tugbok District, Davao City			
	1. dsDNA Broad Range assay Kit, 500 reactions (2 kits)		
	<ul style="list-style-type: none"> • For double-stranded DNA with detection range of 4 - 1000 ng 		
	<ul style="list-style-type: none"> • Each kit contains: <ul style="list-style-type: none"> - 1.25 ml assay reagent (200X concentrate in DMSO) - 250 ml dilution buffer - 5 ml dsDNA standard (0 ng/μl in TE buffer) - 5 ml dsDNA standard (100 ng/μl in TE buffer) 		
	<ul style="list-style-type: none"> • Compatible with Qubit 4 Fluorometer 		
	2. dsDNA High Sensitivity assay Kit, 500 reactions (2 kits)		
	<ul style="list-style-type: none"> • For double-stranded DNA with detection range of 0.2 - 100 ng 		
	<ul style="list-style-type: none"> • Each kit contains: <ul style="list-style-type: none"> - 1.25 ml assay reagent (200X concentrate in DMSO) - 250 ml dilution buffer - 5 ml dsDNA standard (0 ng/μl in TE buffer) - 5 ml dsDNA standard (100 ng/μl in TE buffer) 		
	<ul style="list-style-type: none"> • Compatible with Qubit 4 Fluorometer 		
	3. 0.5mL assay tubes, 1,000 tubes		
	<ul style="list-style-type: none"> • For use with Qubit™ Fluorometer 		
	<ul style="list-style-type: none"> • Optical 		
	<ul style="list-style-type: none"> • DNase/RNase free 		
LOT 6: Low DNA Retention Tubes			
Delivery period: Forty five (45) calendar days			
Delivery: CSM, UP Mindanao Mintal, Tugbok District, Davao City			
	1. 1.5 mL Lo-bind (low retention) tubes (12,750 tubes)		

	<ul style="list-style-type: none"> Free from DNA, DNase, RNase, and PCR inhibitors 		
	<ul style="list-style-type: none"> Lo-bind material 		
	<ul style="list-style-type: none"> Free of surface coating 		
	<ul style="list-style-type: none"> Colorless 		
	2. 5.0 mL Lo-bind (low retention) tubes (12,500 tubes)		
	<ul style="list-style-type: none"> Free from DNA, DNase, RNase, and PCR inhibitors 		
	<ul style="list-style-type: none"> Lo-bind material 		
	<ul style="list-style-type: none"> Free of surface coating 		
	<ul style="list-style-type: none"> Colorless 		
LOT 7: Optical Films & Tubes			
Delivery period: Forty five (45) calendar days			
Delivery: CSM, UP Mindanao Mintal, Tugbok District, Davao City			
	1. Optical adhesive film (600 films)		
	<ul style="list-style-type: none"> Optical 		
	<ul style="list-style-type: none"> Polyester 		
	<ul style="list-style-type: none"> DNase/RNase free 		
	<ul style="list-style-type: none"> Compatible with 96-well plates 		
	<ul style="list-style-type: none"> Compatible with any brand of RT-PCR Machine 		
	2. Non-optical adhesive film (100 films)		
	<ul style="list-style-type: none"> Non-Optical 		
	<ul style="list-style-type: none"> Polyester 		
	<ul style="list-style-type: none"> DNase/RNase free 		
	<ul style="list-style-type: none"> Compatible with 96-well plates 		
	<ul style="list-style-type: none"> Compatible with any brand of RT-PCR Machine 		
	3. 1.5 mL microcentrifuge tubes (100,000 tubes)		
	<ul style="list-style-type: none"> DNase/RNase free 		
	<ul style="list-style-type: none"> With easy-to-open flat lid cap 		
	<ul style="list-style-type: none"> Frosted cap and writing panel on side 		
	<ul style="list-style-type: none"> With graduations 		
	4. 0.2 ml 8-strip tube with attached caps, pack of 125 strips (2 packs)		
	<ul style="list-style-type: none"> Must fit any 96-well reaction blocks 		
	<ul style="list-style-type: none"> Attached ultraclear flat caps for real-time PCR 		
	<ul style="list-style-type: none"> Free for DNase, RNase, and human DNA 		
	5. 0.2 ml PCR tubes with cap, pack of 1000 (2 packs)		
	<ul style="list-style-type: none"> Flat caps frosted for easy labeling 		
	<ul style="list-style-type: none"> Double-locking caps for a stronger seal during cycling and storage 		
	<ul style="list-style-type: none"> Free of DNase, RNase, and human DNA 		
	6. 0.2ml 96-well PCR Plates, non-optical, box of 50 (1 box)		

	<ul style="list-style-type: none"> • Non-optical 		
	<ul style="list-style-type: none"> • Half skirted 		
	<ul style="list-style-type: none"> • Clear 		
	<ul style="list-style-type: none"> • DNase/RNase free 		
	<ul style="list-style-type: none"> • Must be compatible with Veriti Pro PCR Machine 		
	7. 0.2ml 96-well PCR Plates, optical, box of 25 (1 box)		
	<ul style="list-style-type: none"> • White 		
	<ul style="list-style-type: none"> • Hard-shell 		
	<ul style="list-style-type: none"> • DNase/RNase free 		
	<ul style="list-style-type: none"> • Skirted 		
	<ul style="list-style-type: none"> • Compatible with ABI 96 Real-time PCR System 		
	8. Filtered pipette tips (1000ul), rack of 10x96 tips) (1 case)		
	<ul style="list-style-type: none"> • DNase/RNase free 		
	<ul style="list-style-type: none"> • Must be compatible with any brand of pipettes 		
	<ul style="list-style-type: none"> • Filtered 		
	<ul style="list-style-type: none"> • Sterile 		
	9. Filtered pipette tips (200ul), rack of 10x96 tips (1 case)		
	<ul style="list-style-type: none"> • DNase/RNase free 		
	<ul style="list-style-type: none"> • Must be compatible with any brand of pipettes 		
	<ul style="list-style-type: none"> • Filtered 		
	<ul style="list-style-type: none"> • Sterile 		
	10. Filtered pipette tips (20ul), rack of 10x96 tips (1 case)		
	<ul style="list-style-type: none"> • DNase/RNase free 		

	<ul style="list-style-type: none"> • Must be compatible with any brand of pipettes 		
	<ul style="list-style-type: none"> • Filtered 		
	<ul style="list-style-type: none"> • Sterile 		
	11. Filtered pipette tips (10ul), rack of 10x96 tips (1 case)		
	<ul style="list-style-type: none"> • DNase/RNase free 		
	<ul style="list-style-type: none"> • Must be compatible with any brand of pipettes 		
	<ul style="list-style-type: none"> • Filtered 		
	<ul style="list-style-type: none"> • Sterile 		
LOT 8: Disinfectant Supplies			
Delivery period: Forty five (45) calendar days			
Delivery: CSM, UP Mindanao Mintal, Tugbok District, Davao City			
	1. Absolute Ethanol (36 Liters)		
	<ul style="list-style-type: none"> • Molecular Biology grade 		
	<ul style="list-style-type: none"> • ≥95% purity 		
	2. Absolute Ethanol, technical grade (50 gallons)		
	<ul style="list-style-type: none"> • Technical grade 		
LOT 9: Other Laboratory Supplies			
Delivery period: Forty five (45) calendar days			
Delivery: CSM, UP Mindanao Mintal, Tugbok District, Davao City			
	1. Garbage bag, large, yellow, pack of 100 (75 packs)		
	<ul style="list-style-type: none"> • Color : yellow 		
	<ul style="list-style-type: none"> • Minimum size : 13 x 13 x 32 in 		
	<ul style="list-style-type: none"> • High-density trash bag 		
	<ul style="list-style-type: none"> • Good quality 		
	<ul style="list-style-type: none"> • Thickness : At least 1 mil (0.001 in) 		
	2. Garbage bag, large, black, pack of 100 (75 packs)		
	<ul style="list-style-type: none"> • Color : black 		
	<ul style="list-style-type: none"> • Minimum size : 13 x 13 x 32 in 		
	<ul style="list-style-type: none"> • High-density trash bag 		
	<ul style="list-style-type: none"> • Good quality 		
	<ul style="list-style-type: none"> • Thickness : At least 1 mil (0.001 in) 		
	3. Biohazard bag, box of 100 bags (75 packs)		
	<ul style="list-style-type: none"> • Red polypropylene 		
	<ul style="list-style-type: none"> • With biohazard warning symbol 		
	<ul style="list-style-type: none"> • at least 584 mm (H) x 483 mm (W) x 0.04 mm (thickness) 		
	4. Autoclavable bag, pack of 1000 (25 packs)		

	<ul style="list-style-type: none"> • Heat-resistant polypropylene bag 		
	<ul style="list-style-type: none"> • Used for sterilization 		
	<ul style="list-style-type: none"> • Clear 		
	<ul style="list-style-type: none"> • Size : 12 x 18 in 		
	<ul style="list-style-type: none"> • Autoclavable 		
	5. Cryoboxes, 100-well (380 pcs)		
	<ul style="list-style-type: none"> • Polycarbonate cryogenic box 		
	<ul style="list-style-type: none"> • Clear 		
	<ul style="list-style-type: none"> • Compatible with 0.5 / 1.5 / 2.0 ml microcentrifuge tubes and cryogenic vials 		
	<ul style="list-style-type: none"> • 100-well 		
	<ul style="list-style-type: none"> • Stable from -196°C to 121°C 		
	<ul style="list-style-type: none"> • With numbered grids for sample identification 		
	<ul style="list-style-type: none"> • With drain holes and air vents 		
	6. Interfolded towel 3-ply (20 cases)		
	<ul style="list-style-type: none"> • Made from 100% virgin pulp 		
	<ul style="list-style-type: none"> • Free from elemental chlorine and artificial whitener 		
	<ul style="list-style-type: none"> • Dermatologist tested 		
	<ul style="list-style-type: none"> • 3-ply 		
	7. Autoclave tape (20 pcs)		
	<ul style="list-style-type: none"> • Autoclave indicator tapes 		
	<ul style="list-style-type: none"> • Change color after the sterilization process 		
	<ul style="list-style-type: none"> • At least width of 19 mm ($\frac{3}{4}$") 		
	<ul style="list-style-type: none"> • At least length of 50 m (165 ft) 		
	<ul style="list-style-type: none"> • Can be used for both dry heat and autoclave steam sterilization 		
	8. Parafilm (10 rolls)		
	<ul style="list-style-type: none"> • Laboratory film roll 		
	<ul style="list-style-type: none"> • Can seal test tubes, beakers, flasks, culture tubes, etc. 		
	<ul style="list-style-type: none"> • Made of a semi-transparent, flexible and waterproof material 		
	<ul style="list-style-type: none"> • Resistant to most acids and alcohols 		
	<ul style="list-style-type: none"> • Gas permeable 		
	<ul style="list-style-type: none"> • Width : 2 in 		
	<ul style="list-style-type: none"> • Length : 250 ft 		
	9. Cable tie, 1000 pcs per pack (50 packs)		
	<ul style="list-style-type: none"> • Nylon cable tie 		
	<ul style="list-style-type: none"> • Minimum length of 6 in 		
	10. Bleach, 1 L (47 bottles)		
	<ul style="list-style-type: none"> • Liquid bleach 		
	<ul style="list-style-type: none"> • 0.12% sodium hypochlorite 		
	<ul style="list-style-type: none"> • Minimum volume of 1 liter 		
LOT 10: Laboratory Gown			
Delivery period: Forty five (45) calendar days			

Delivery: CSM, UP Mindanao Mintal, Tugbok District, Davao City			
	1. Laboratory Gown (19 pcs)		
	• Long sleeves		
	• White color		
	• Laboratory grade		
	• Oxford/Polyester fabric material		
	• Size: Medium		