

REFERENCE OF TENDER	DESCRIPTION OF TENDER	TIME PERIOD OF TENDER	DEPARTMENT/DIVISION/ UNIT REQUESTING TENDER	FEES	CLOSING DATE NOT LATER THAN 2.00PM	FOCAL PERSON
KK/348/2022/LAB	TO SUPPLY AND DELIVER SARS-CoV-2 SEQUENCING LABORATORY CONSUMABLES AND REAGENTS FOR MICROBIAL GENOMIC SERVICES, DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF ONE (1) YEARS USAGE	1 YEAR	DEPARTMENT OF LABORATORY SERVICES	\$100.00	17 th JANUARY 2023	Dr Muhd Haziq Fikry bin Haji Abdul Momin Microbial Genomics Services Department of Laboratory Services Ministry of Health Negara Brunei Darussalam Contact No.: 7111551 e-mail: haziq.momin@moh.gov.bn

SECTION 2

SPECIFICATIONS AND REQUIREMENTS

TENDER REFERENCE NO: KK/348/2022/LAB

INVITATION TO TENDER

TO SUPPLY AND DELIVER SARS-CoV-2 SEQUENCING LABORATORY CONSUMABLES AND REAGENTS FOR MICROBIAL GENOMIC SERVICES, DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF ONE (1) YEARS USAGE

DELIVERY PERIOD AFTER PO ISSUED	NOT LATER THAN 8 WEEKS
--	-------------------------------

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
1	<p>Dual Barcode Circularization Kit, 16 RXN</p> <ol style="list-style-type: none"> 1. A module library prep kit designed for high-throughput sequencing platform. 2. Used to prepare a single-stranded circular DNA library from PCR products. 3. Used for the denaturation, single-stranded circularization and enzymatic digestion of pooled samples. <p>State the shelf life of test kit.</p>	16 RXN/KIT	1 KITS
2	<p>DNAClean Beads, 50ml, 16 RXN</p> <ol style="list-style-type: none"> 1. Used for purification and size selection of DNA samples. 2. Used for the preparation of pooled samples and clean-up of digestion products. 3. DNA products more than 100bp in length are efficiently recovered. 4. Compatible with a variety of vendors DNA and RNA library construction kits. <p>State the shelf life of item.</p>	50mL 16 RXN/KIT	1 KIT
3	<p>CPAS Barcode Primer 3 Reagent Kit</p> <ol style="list-style-type: none"> 1. 1µM AD153 Barcode Primer 3. 2. Act as primer for pair-end sequencing. <p>State the shelf life of test kit.</p>	2 RXN/KIT	54 KITS
4	<p>0.1-10uL Filter Tips, DNase/RNase free, Sterile Rack pack, 96/Rack, 50 Racks/case</p> <ol style="list-style-type: none"> 1. Minimum volume of 0.1 ul, Maximum volume of 10 ul, Filter Tips. 2. Required filter pipette tips because without a filter increase risk of cross-contamination of different samples. 3. Used to transfer samples and master mix for volume 10 uL or lower. 	50 RACKS/ CASE	2 CASES

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
	<p>4. Required minimum volume of 0.1ml for pooling step which use very small volume.</p> <p>State the shelf life of item.</p>		
5	<p>Ethanol Absolute, undenatured, 100% (200 proof), Molecular Biology Grade 500ml/bottle</p> <p>1. Used to make 80% Ethanol for clean-up of 1st PCR, 2nd PCR and Enzymatic Digestion.</p> <p>State the shelf life of item.</p>	500ML/ BOTTLE	16 BOTTLES
6	<p>Solution Basins, PS, Sterile, 55ml Capacity, White, Individually Wrapped, 1 Piece/Bag, 100 Bags/Case</p> <p>1. Used during the clean-up of 1st and 2nd PCR Products.</p> <p>State the shelf life of item.</p>	100 BAGS/ CASE	3 CASES
7	<p>96-well qPCR Plates, 0.2ml non-skirted, clear, cut corner H1, 10 pieces/box</p> <p>1. Maximum volume of 0.2ml. 2. Used to place 96 samples to be run Reverse Transcriptase PCR, followed by two-steps PCR. 3. Used to place samples to determine the fragment size distribution of purified 2nd PCR Products with Qsep400. Products required size fragments of ~300 bp to meet sequencing requirements.</p> <p>State the shelf life of item.</p>	10 PIECES/ BOX	6 BOXES
8	<p>1 to 200uL Extra Long version, Filter Tips, Yellow, Sterile, Filtered, DNase-free, RNase-free, Rack pack, 96/Rack, 50 Racks/case</p> <p>1. Maximum volume of 200uL. 2. Required filter pipette tips because without a filter increase risk of cross-contamination of different samples. 3. Used mostly for the clean-up of 1st PCR and 2nd PCR Products. 4. Used to transfer samples and master mix for volume 200 uL or lower.</p> <p>State the shelf life of item.</p>	50 RACKS/ CASE	2 CASES
9	<p>0.5-10uL, Filter Tips, Sterile, DNase-free, RNase-free, Rack pack, 96/Rack, 50 Racks/case</p> <p>1. Minimum volume of 0.5 ul, Maximum</p>	50 RACKS/ CASE	6 CASES

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
	<p>volume of 10 ul, Filter Tips.</p> <ol style="list-style-type: none"> 2. Required filter pipette tips because without a filter increase risk of cross-contamination of different samples. 3. Used to transfer samples and master mix for volume 10 uL or lower. <p>State the shelf life of item.</p>		
10	<p>ATOplex RNA Universal Library Prep Set, 96 RXN</p> <p>Components:</p> <ol style="list-style-type: none"> 1. ATOplex RNA Universal Library Module - to be used for the mastermix preparation of the Reverse Transcriptase (conversion of viral RNA to cDNA), 1st PCR (Viral genome and target region amplification), and 2nd PCR (Target region enrichment and adapter ligation). 2. Internal Control Primer Pool - contained the primer required for the amplification of the targeted region in the two-steps PCR. 3. ATOplex Dual Barcode Primer Module (01-96) - used to construct dual barcodes which help to reduce the ratio of barcode crosstalk and error rate. The barcode is unique for each sample. 4. ATOplex Dual Barcoded Balance Library Reagent - The complexity of libraries is low, which can cause the separation of certain bases and affect the accuracy of base calling. Therefore, the addition of a mixed balanced library for sequencing is required. The mixed balanced library must be dual barcoded (Dual Barcode Balance Library Reagent), added according to the DNB amount and the mixing ratio between the ATOplex library and balanced library should be 3:1. <p>State the shelf life of item.</p>	1 RXN/SET	72 SETS
11	<p>BiOptic Standard Cartridge Kit (Qsep400-4- Channel Use) (S2) S2-Standard Cartridge *1, (800 Runs/4- Channel Cartridge) With Buffer and Standard Alignment Marker, 2 Cartridges/Kit</p> <ol style="list-style-type: none"> 1. Standard Cartridge (S2), 4-Channel Cartridge. 2. Size range: 10-5,000bp; L.O.D: 0.1 ng/uL or 2 pg/uL in water; Best Resolution: 4-10bp. 3. Analytic Times (per run): 2~3 mins; Sample Number (per cartridge): 200 runs. 4. Sample consumption (per cartridge): <0.1 	2 CARTRIDGES/KIT	4 KITS

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
	<p>uL; Recommended Sample Volume: 0.1 mL tube: 10 uL or 0.2 mL tube: 20 uL or Microvial: 1~2 uL.</p> <p>5. Used to determine the fragment size distribution of purified 2nd PCR Products with Qsep400. Products required size fragments of ~300 bp to meet sequencing requirements.</p> <p>State the shelf life of item.</p>		
12	<p>DNBSEQ-G50RS High-throughput Sequencing Set (Model: FCL 100 PE100), 100G, Per Set,</p> <p>Flow Cell: Cat. No.: 1000020208, Model: FCL</p> <ol style="list-style-type: none"> 1. It is a photolithographic nano flow cell, with surface nano-slot patterned distribution. 2. Act as a channel for adsorbing mobile DNA fragments and a core sequencing reactor vessel. <p>Kit: Cat. No:1000019853, Model: FCL PE100/FCS PE150</p> <ol style="list-style-type: none"> 1. Contained the cartridge as well as reagents to be used for the preparation of DNB and sequencing. <p>State the shelf life of item.</p>	1 RXN/SET	76 SETS
13	<p>Assay Tubes</p> <ol style="list-style-type: none"> 1. Maximum volume of 500µL, thin-walled polypropylene tubes. 2. Used to quantify the purified 2nd PCR products, pooled products, enzymatic digestion products and DNB with Qubit™ 3 Fluorometer (Thermo Fisher Scientific™, Cat. No. Q33216). 3. Products required a concentration of more than 4 ng/uL, 400 ng, 10 ng and 8 ng/uL respectively in order to meet the sequencing requirements. <p>State the shelf life of item.</p>	500 TUBES/ PACK	18 PACKS
14	<p>1-20 uL, Filter Tips, DNase/RNase Free, Sterile, Rack Pack, 96/Rack, 50 Racks/Case,</p> <ol style="list-style-type: none"> 1. Maximum volume of 20ul, Filter Tips. 2. Used to transfer samples and mastermix for volume 20 uL or lower. 3. Used mostly in preparation of DNB. <p>State the shelf life of item.</p>	50 RACKS/ CASE	2 CASES

NO.	SPECIFICATIONS AND REQUIREMENTS
1	All reagent test kits supplied throughout this tender <u>shall</u> have a minimum expiry date of six (6) months on delivery . Should the reagent be urgently needed, provision of a reagent test kit or consumable with expiry date of less than six (6) months should be first agreed by the User of the particular laboratory before delivery is made.
2	The reagents and consumables above must be compatible with the analyzer Model: DNBSEQ-G50, Brand: MGI.
3	<p>Any defect and contaminations occurring along the line should be replaced by the next shipment or at the earliest shipment possible.</p> <p>User shall have the rights to refuse delivery of items that do not meet the acceptance criteria such as, but not limited to, the following:</p> <ol style="list-style-type: none"> 1. Tampered or damaged box 2. Leakage upon delivery 3. Items stored pre-delivery not in accordance to manufacturer's instructions 4. Expiry date not meeting requirement
4	Should there be any discontinuity of reagents due to non-compliance in the manufacturing of reagents; the vendor must be able to provide an alternative so that the test requests are still available for the customers
5	Staggered delivery upon request. Delivery of test kits and consumables should be according to user schedule. Supplier should have other alternative in the case where supplier cannot fulfil the delivery on time.
6	Buffer stock of the test kit including reagents, consumables and accessories should be available at the local representative as contingency.
7	Vendor to perform validation/verification study of the test kit if required and provide the report before the kit can be used.
8	Vendor to bear the costs of all reagents and/or consumables used to perform validation/verification study
9	Vendor shall provide Material Safety Data Sheet (MSDS) for all reagent kits and consumables
10	Vendor shall provide Product Inserts (including IFU) for all reagent kits and consumables.
11	All participating vendors MUST provide sample to the end-user for evaluation (either given together with offered quotation or during evaluation).
12	Vendor shall provide Certificate of Analysis (CoA) for all the reagent kits and/or consumables.
13	<p>The successful tenderer shall supply and deliver the recommended control organisms (ATCC organisms) for internal quality performance check of the test kit as required by ISO 15189 at least once during the term of tender.</p> <p>Please indicate the ATCC organisms recommended for use with the test kit being offered.</p>
14	<p>EXIT CLAUSE:</p> <p>The tender contract shall be automatically terminated even though tender has not yet expired and this shall be in effect due to, but not limited to, the following:</p> <ol style="list-style-type: none"> 1. When the testing is no longer required or relevant i.e. test is obsolete, to the laboratory or the Department. 2. When the item(s) set out in this tender is/are no longer required by the laboratory or the Department.

NO.	SPECIFICATIONS AND REQUIREMENTS
	When the approved budget allocation for this tender contract has been used up before the tender contract expires whereby a renewal of tender shall be submitted by the user for an open advertisement subject to approval by the Mini Tender Board (<i>Lembaga Tawaran Kecil</i>).
15	DELIVERY PERIOD: Staggered Delivery every 3 months usage and not later than 8 weeks once receipt of PO
16	PRICE VALIDITY: The quotation shall remain valid for TWELVE (12) MONTHS from the final date for the submission of the quotation and no supplier may withdraw his/her quotation within that period. The Government reserves the right to extend this period if deemed necessary provided that such extension to the quotation validity period shall have written consent of the supplier(s).

DELIVERY PERIOD AFTER PO ISSUED	NOT LATER THAN 8 WEEKS	
Lab/Section/Unit	MICROBIAL GENOMICS SERVICES	
Lab/Section/Unit Ref No.:	DLS/PU/MGS/2022/A50K/SEQ_COVID_02	
Person to Contact	Name : DR MUHD HAZIQ FIKRY HAJI ABDUL MOMIN	
	E-mail : HAZIQ.MOMIN@MOH.GOV.BN	
	Tel. No. : 7111551	Fax No. : -
FOR ADMINISTRATION USE ONLY		
PPM/PROC Ref. No.	PPM/PROC/2022/>50K/063(MGS)	
Advertisement Ref. No.		Date :

NO.	GENERAL SPECIFICATIONS
A	Model & Brand
B	Country of Origin
C	Total Price Per Test (CIF): B\$
D	Price Ranking:
E	Where marketed
F	Year of Manufacture
G	Warranty:
H	Delivery Time:
I	Power Requirements:
J	Battery Back-up:
K	International Safety Standard:
L	Technical Support:
M	Equipment Whole Life Support
N	Dimensions (WxHxD) cm:
O	Weight (kg):
P	User Manuals
Q	Service Manuals
R	Spare-parts & Consumables Listing
S	Technical Training On-Site:
T	Site Requirements:

DELIVERY PERIOD AFTER PO ISSUED	8 – 12 WEEKS	
Lab/Section/Unit	National Clinical Microbiology Reference Laboratory	
Lab/Section/Unit Ref No.:	DLS/PU/MIC/2022/A50K/03_URINALYSIS	
Person to Contact	Name : Mohammad Aizzuddin Hj Mirasin	
	E-mail : aizzuddin.mirasin@moh.gov.bn	
	Tel. No. : 7141497	Fax No. :
FOR ADMINISTRATION USE ONLY		
PPM/PROC Ref. No.	PPM/PROC/2022/>50K/028(MIC)	
Advertisement Ref. No.		Date :

SECTION 3

TENDER FORM

TENDER REFERENCE NO: KK/348/2022/LAB

INVITATION TO TENDER

**TO SUPPLY AND DELIVER SARS-CoV-2 SEQUENCING LABORATORY CONSUMABLES AND REAGENTS FOR MICROBIAL GENOMIC SERVICES,
DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF ONE (1) YEARS USAGE**

DELIVERY PERIOD	
------------------------	--

USER'S REQUIREMENTS				VENDOR'S OFFER					
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR	ITEM DESCRIPTIONS AND SPECIFICATIONS	PART/ CATALOGUE NUMBER AND BRAND	PACKAGING SIZE	TOTAL QUANTITY OFFERED / YEAR	*COST PER UNIT (B\$)	TOTAL COSTS (B\$)
1	<p>Dual Barcode Circularization Kit, 16 RXN</p> <p>1. A module library prep kit designed for high-throughput sequencing platform.</p> <p>2. Used to prepare a single-stranded circular DNA library from PCR products.</p> <p>3. Used for the denaturation, single-stranded circularization and enzymatic digestion of</p>	16 RXN/KIT	1 KITS						

USER'S REQUIREMENTS				VENDOR'S OFFER					
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR	ITEM DESCRIPTIONS AND SPECIFICATIONS	PART/ CATALOGUE NUMBER AND BRAND	PACKAGING SIZE	TOTAL QUANTITY OFFERED / YEAR	*COST PER UNIT (B\$)	TOTAL COSTS (B\$)
	pooled samples. State the shelf life of test kit.								
2	DNAClean Beads, 50ml, 16 RXN 1. Used for purification and size selection of DNA samples. 2. Used for the preparation of pooled samples and clean-up of digestion products. 3. DNA products more than 100bp in length are efficiently recovered. 4. Compatible with a variety of vendors DNA and RNA library construction kits. State the shelf life of item.	50mL 16 RXN/KIT	1 KIT						
3	CPAS Barcode Primer 3 Reagent Kit 1. 1µM AD153 Barcode Primer 3. 2. Act as primer for pair-end sequencing. State the shelf life of test	2 RXN/KIT	54 KITS						

USER'S REQUIREMENTS				VENDOR'S OFFER					
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR	ITEM DESCRIPTIONS AND SPECIFICATIONS	PART/ CATALOGUE NUMBER AND BRAND	PACKAGING SIZE	TOTAL QUANTITY OFFERED / YEAR	*COST PER UNIT (B\$)	TOTAL COSTS (B\$)
	kit.								
4	<p>0.1-10uL Filter Tips, DNase/RNase free, Sterile Rack pack, 96/Rack, 50 Racks/case</p> <p>1. Minimum volume of 0.1 ul, Maximum volume of 10 ul, Filter Tips. 2. Required filter pipette tips because without a filter increase risk of cross-contamination of different samples. 3. Used to transfer samples and master mix for volume 10 uL or lower. 4. Required minimum volume of 0.1ml for pooling step which use very small volume. State the shelf life of item.</p>	50 RACKS/ CASE	2 CASES						
5	<p>Ethanol Absolute, undenatured, 100% (200 proof), Molecular Biology Grade 500ml/bottle</p> <p>1. Used to make 80% Ethanol for clean-up of</p>	500ML/ BOTTLE	16 BOTTLES						

USER'S REQUIREMENTS				VENDOR'S OFFER					
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR	ITEM DESCRIPTIONS AND SPECIFICATIONS	PART/ CATALOGUE NUMBER AND BRAND	PACKAGING SIZE	TOTAL QUANTITY OFFERED / YEAR	*COST PER UNIT (B\$)	TOTAL COSTS (B\$)
	1st PCR, 2nd PCR and Enzymatic Digestion. State the shelf life of item.								
6	Solution Basins, PS, Sterile, 55ml Capacity, White, Individually Wrapped, 1 Piece/Bag, 100 Bags/Case 1. Used during the clean-up of 1st and 2nd PCR Products. State the shelf life of item.	100 BAGS/ CASE	3 CASES						
7	96-well qPCR Plates, 0.2ml non-skirted, clear, cut corner H1, 10 pieces/box 1. Maximum volume of 0.2ml. 2. Used to place 96 samples to be run Reverse Transcriptase PCR, followed by two-steps PCR. 3. Used to place samples to determine the fragment size distribution of purified 2nd PCR Products with Qsep400.	10 PIECES/ BOX	6 BOXES						

USER'S REQUIREMENTS				VENDOR'S OFFER						
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR	ITEM DESCRIPTIONS AND SPECIFICATIONS	PART/ CATALOGUE NUMBER AND BRAND	PACKAGING SIZE	TOTAL QUANTITY OFFERED / YEAR	*COST PER UNIT (B\$)	TOTAL COSTS (B\$)	
	Products required size fragments of ~300 bp to meet sequencing requirements. State the shelf life of item.									
8	<p>1 to 200uL Extra Long version, Filter Tips, Yellow, Sterile, Filtered, DNase-free, RNase-free, Rack pack, 96/Rack, 50 Racks/case</p> <ol style="list-style-type: none"> Maximum volume of 200uL. Required filter pipette tips because without a filter increase risk of cross-contamination of different samples. Used mostly for the clean-up of 1st PCR and 2nd PCR Products. Used to transfer samples and master mix for volume 200 uL or lower. <p>State the shelf life of item.</p>	50 RACKS/ CASE	2 CASES							
9	<p>0.5-10uL, Filter Tips, Sterile, DNase-free, RNase-free, Rack pack, 96/Rack, 50 Racks/case</p>	50 RACKS/ CASE	6 CASES							

USER'S REQUIREMENTS				VENDOR'S OFFER					
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR	ITEM DESCRIPTIONS AND SPECIFICATIONS	PART/ CATALOGUE NUMBER AND BRAND	PACKAGING SIZE	TOTAL QUANTITY OFFERED / YEAR	*COST PER UNIT (B\$)	TOTAL COSTS (B\$)
	<ol style="list-style-type: none"> 1. Minimum volume of 0.5 ul, Maximum volume of 10 ul, Filter Tips. 2. Required filter pipette tips because without a filter increase risk of cross-contamination of different samples. 3. Used to transfer samples and master mix for volume 10 uL or lower. State the shelf life of item.								
10	ATOplex RNA Universal Library Prep Set, 96 RXN Components: <ol style="list-style-type: none"> 1. ATOplex RNA Universal Library Module - to be used for the mastermix preparation of the Reverse Transcriptase (conversion of viral RNA to cDNA), 1st PCR (Viral genome and target region amplification), and 2nd PCR (Target region 	1 RXN/SET	72 SETS						

USER'S REQUIREMENTS				VENDOR'S OFFER					
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR	ITEM DESCRIPTIONS AND SPECIFICATIONS	PART/ CATALOGUE NUMBER AND BRAND	PACKAGING SIZE	TOTAL QUANTITY OFFERED / YEAR	*COST PER UNIT (B\$)	TOTAL COSTS (B\$)
	<p>enrichment and adapter ligation).</p> <p>2. Internal Control Primer Pool - contained the primer required for the amplification of the targeted region in the two-steps PCR.</p> <p>3. ATOplex Dual Barcode Primer Module (01-96) - used to construct dual barcodes which help to reduce the ratio of barcode crosstalk and error rate. The barcode is unique for each sample.</p> <p>4. ATOplex Dual Barcoded Balance Library Reagent - The complexity of libraries is low, which can cause the separation of certain bases and affect the accuracy of base calling. Therefore, the addition of a mixed balanced library for sequencing is required. The mixed balanced library must</p>								

USER'S REQUIREMENTS				VENDOR'S OFFER					
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR	ITEM DESCRIPTIONS AND SPECIFICATIONS	PART/ CATALOGUE NUMBER AND BRAND	PACKAGING SIZE	TOTAL QUANTITY OFFERED / YEAR	*COST PER UNIT (B\$)	TOTAL COSTS (B\$)
	be dual barcoded (Dual Barcode Balance Library Reagent), added according to the DNB amount and the mixing ratio between the ATOplex library and balanced library should be 3:1. State the shelf life of item.								
11	<p>BiOptic Standard Cartridge Kit (Qsep400-4- Channel Use) (S2) S2-Standard Cartridge *1, (800 Runs/4- Channel Cartridge) With Buffer and Standard Alignment Marker, 2 Cartridges/Kit</p> <p>1. Standard Cartridge (S2), 4-Channel Cartridge.</p> <p>2. Size range: 10-5,000bp; L.O.D: 0.1 ng/uL or 2 pg/uL in water; Best Resolution: 4-10bp.</p> <p>3. Analytic Times (per run): 2~3 mins; Sample Number (per cartridge): 200 runs.</p>	2 CARTRIDGES/KIT	4 KITS						

USER'S REQUIREMENTS				VENDOR'S OFFER					
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR	ITEM DESCRIPTIONS AND SPECIFICATIONS	PART/ CATALOGUE NUMBER AND BRAND	PACKAGING SIZE	TOTAL QUANTITY OFFERED / YEAR	*COST PER UNIT (B\$)	TOTAL COSTS (B\$)
	<p>4. Sample consumption (per cartridge): <0.1 uL; Recommended Sample Volume: 0.1 mL tube: 10 uL or 0.2 mL tube: 20 uL or Microvial: 1~2 uL.</p> <p>5. Used to determine the fragment size distribution of purified 2nd PCR Products with Qsep400. Products required size fragments of ~300 bp to meet sequencing requirements.</p> <p>State the shelf life of item.</p>								
12	<p>DNBSEQ-G50RS High-throughput Sequencing Set (Model: FCL 100 PE100), 100G, Per Set,</p> <p>Flow Cell: Cat. No.: 1000020208, Model: FCL</p> <p>1. It is a photolithographic nano flow cell, with surface nano-slot patterned distribution.</p> <p>2. Act as a channel for adsorbing mobile DNA fragments and a core</p>	1 RXN/SET	76 SETS						

USER'S REQUIREMENTS				VENDOR'S OFFER					
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR	ITEM DESCRIPTIONS AND SPECIFICATIONS	PART/ CATALOGUE NUMBER AND BRAND	PACKAGING SIZE	TOTAL QUANTITY OFFERED / YEAR	*COST PER UNIT (B\$)	TOTAL COSTS (B\$)
	sequencing reactor vessel. Kit: Cat. No:1000019853, Model: FCL PE100/FCS PE150 1. Contained the cartridge as well as reagents to be used for the preparation of DNB and sequencing. State the shelf life of item.								
13	Assay Tubes 1. Maximum volume of 500µL, thin-walled polypropylene tubes. 2. Used to quantify the purified 2nd PCR products, pooled products, enzymatic digestion products and DNB with Qubit™ 3 Fluorometer (Thermo Fisher Scientific™, Cat. No. Q33216). 3. Products required a concentration of more than 4 ng/uL, 400 ng, 10 ng and 8 ng/uL respectively in order to meet the sequencing	500 TUBES/ PACK	18 PACKS						

USER'S REQUIREMENTS				VENDOR'S OFFER					
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR	ITEM DESCRIPTIONS AND SPECIFICATIONS	PART/ CATALOGUE NUMBER AND BRAND	PACKAGING SIZE	TOTAL QUANTITY OFFERED / YEAR	*COST PER UNIT (B\$)	TOTAL COSTS (B\$)
	requirements. State the shelf life of item.								
14	<p>1-20 uL, Filter Tips, DNase/RNase Free, Sterile, Rack Pack, 96/Rack, 50 Racks/Case,</p> <p>1. Maximum volume of 20ul, Filter Tips. 2. Used to transfer samples and mastermix for volume 20 uL or lower. 3. Used mostly in preparation of DNB.</p> <p>State the shelf life of item.</p>	50 RACKS/ CASE	2 CASES						

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
1	All reagent test kits supplied throughout this tender shall have a minimum expiry date of six (6) months on delivery . Should the reagent be urgently needed, provision of a reagent test kit or consumable with expiry date of less than six (6) months should be first agreed by the User of the particular laboratory before delivery is made.	
2	The reagents and consumables above must be compatible with the analyzer Model: DNBSEQ-G50, Brand: MGI.	
3	<p>Any defect and contaminations occurring along the line should be replaced by the next shipment or at the earliest shipment possible.</p> <p>User shall have the rights to refuse delivery of items that do not meet the acceptance criteria such as, but not limited to, the following:</p> <ol style="list-style-type: none"> 1. Tampered or damaged box 2. Leakage upon delivery 3. Items stored pre-delivery not in accordance to manufacturer's instructions <p>Expiry date not meeting requirement</p>	
4	Should there be any discontinuity of reagents due to non-compliance in the manufacturing of reagents; the vendor must be able to provide an alternative so that the test requests are still available for the customers	
5	Staggered delivery upon request. Delivery of test kits and consumables should be according to user schedule. Supplier should have other alternative in the case where supplier cannot fulfil the delivery on time.	
6	Buffer stock of the test kit including reagents, consumables and accessories should be available at the local representative as contingency.	
7	Vendor to perform validation/verification study of the test kit if required and provide the report before the kit can be used.	
8	Vendor to bear the costs of all reagents and/or consumables used to perform validation/verification study	
9	Vendor shall provide Material Safety Data Sheet (MSDS) for all reagent kits and consumables	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
10	Vendor shall provide Product Inserts (including IFU) for all reagent kits and consumables.	
11	All participating vendors MUST provide sample to the end-user for evaluation (either given together with offered quotation or during evaluation).	
12	Vendor shall provide Certificate of Analysis (CoA) for all the reagent kits and/or consumables.	
13	<p>The successful tenderer shall supply and deliver the recommended control organisms (ATCC organisms) for internal quality performance check of the test kit as required by ISO 15189 at least once during the term of tender.</p> <p>Please indicate the ATCC organisms recommended for use with the test kit being offered.</p>	
14	<p>EXIT CLAUSE: The tender contract shall be automatically terminated even though tender has not yet expired and this shall be in effect due to, but not limited to, the following:</p> <ol style="list-style-type: none"> 1. When the testing is no longer required or relevant i.e. test is obsolete, to the laboratory or the Department. 2. When the item(s) set out in this tender is/are no longer required by the laboratory or the Department. <p>When the approved budget allocation for this tender contract has been used up before the tender contract expires whereby a renewal of tender shall be submitted by the user for an open advertisement subject to approval by the Mini Tender Board (<i>Lembaga Tawaran Kecil</i>).</p>	
15	<p>DELIVERY PERIOD: Staggered Delivery every 3 months usage and not later than 8 weeks once receipt of PO</p>	<p>(Yes / No) (If No, please specify)</p>
16	<p>PRICE VALIDITY: The quotation shall remain valid for TWELVE (12) MONTHS from the final date for the submission of the quotation and no supplier may withdraw his/her quotation within that period. The Government reserves the right to extend this period if deemed necessary provided that such extension to the quotation validity period shall have written consent of the supplier(s).</p>	