

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/311/2022/LAB(TC)	TO SUPPLY AND DELIVER LABORATORY TEST KITS (CYTOLOGY: LIQUID BASED CYTOLOGY TESTING SYSTEM-GYNAE & NON-GYNAE TEST KITS) WITH EQUIPMENT RENTAL FOR NATIONAL HISTOLOGY AND CYTOLOGY REFERENCE LABORATORY & MORTUARY SERVICES (CYTOLOGY LABORATORY), DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF FIVE (5) YEARS USAGE	5 YEARS	DEPARTMENT OF LABORATORY SERVICES	\$500.00	13 th DECEMBER 2022	Dk Hjh Rozillah binti Pg Ahmad National Histology And Cytology Reference Laboratory & Mortuary Services/Cytology Laboratory Department of Laboratory Services Ministry of Health Negara Brunei Darussalam Contact No.: 2242424 EXT 6704 e-mail: rozillah.ahmad@moh.gov.bn

SECTION 2

SPECIFICATIONS AND REQUIREMENTS

TENDER REFERENCE NO: KK/311/2022/LAB(TC)

INVITATION TO TENDER

TO SUPPLY AND DELIVER LABORATORY TEST KITS (CYTOLOGY: LIQUID BASED CYTOLOGY TESTING SYSTEM- GYNAE & NON-GYNAE TEST KITS) WITH EQUIPMENT RENTAL FOR NATIONAL HISTOLOGY AND CYTOLOGY REFERENCE LABORATORY & MORTUARY SERVICES (CYTOLOGY LABORATORY), DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF FIVE (5) YEARS USAGE

DELIVERY PERIOD AFTER PO ISSUED	8 - 12 WEEKS
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1. SUPPLY OF REAGENTS

1.1 To supply reagents and associated consumables (calibrators, controls, accessories and consumables) for the tests listed below.

APPENDIX A: SUMMARY OF UNIT PRICE OF REAGENT KIT (To be completed by Vendor for submission)

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE/YEAR
1	Liquid-Based Pap Test - Gyn Kit (Include 1A, 1B, 1C, 1D, 1E (i) or (ii))		
1A	SlidePrep Consumables Kit Contains: - PreCoated Slides - Settling Chambers - Transfer Tips	480 Tests / Box 2 Bags x 240 5 Packs x 96 3 Packs x 192	27 KITS (FOR 12,960 TESTS)

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE/YEAR
1B	Enrichment Consumables Kit Contains: - Density Reagent - Centrifuge Tubes - Syringing Pipettes - Aspirator Tips	480 Tests /Box 480ml /Bottle 1 Bag x 480 2 Boxes x 240 5 Boxes x 96	
1C	Collection Vial	500 Vials Per Box	
1D	Cytology Stain Kit Contains: - Hematoxylin Stain 0.75 - EA/OG Combo Stain	480ml /Bottle 480ml /Bottle	
1E (i)	Brush Collection Device	500 tests / box	
1E (ii)	Coopers Brush & Spatula Collection Device	500 tests/ box	
2 Non-Gynae Liquid Based Pap Test Kit (Include 2A, 2B & 2C)			
2A	SlidePrep Non-GYN Test Kit Contains: - Centrifuge Tubes - PreCoat Slides - Settling Chambers - Transfer tips	192 Tests /Box 2 Bags X 96 2 Packs X 96 2 Bags X 96 2 Packs X 96	26 KITS (FOR 4,992 TESTS)
2B	Red Preservative	3.6L /Bottle	
2C	Non-GYN Stain Kit Haematoxylin 0.5 & EA/OG6	480 ml /Box & 480 ml /Box	
3 Accessories / Consumables Gyn & Non Gyn (shall be inclusive in items 1 & 2)			

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE/YEAR
3A	Preservative Fluid	3.6 L /Bottle	12 BOTTLES
3B	Buffered TRIS	1 pack	12 PACKS
3C	Alcohol Blend Rinse	1.7L / Bottle	48 BOTTLES
3D	DL-Dithiothreitol	25 gm /Bottle	10 KITS
3E	Barcode Label-Pain, Material: Art Paper, Size: 23mm(W) x 18mm(H)	3000 Pcs/Roll	20 ROLLS
3F	Centrifuge Caps	10,000 pieces/carton	2 CARTONS
3G	Thermal Transfer Ribbon Material: Wax, Resin Size: 40mm x 70mm	Per unit	5 UNITS

***Cost per test should include the kit, control, calibrator and accessories/consumables required to run the test.**

NO.	SPECIFICATIONS AND REQUIREMENTS
1.0	PROVISION OF EQUIPMENT
1.1	<p>Two (2) Units of Monolayer Cytology Preparation System (MCPS) which includes:</p> <ol style="list-style-type: none"> a. The Processor Unit or equivalent b. Accessory Kit or equivalent c. Waste Bottles or equivalent d. Operator's Manual e. Power Cord f. Dispenser Pumps or equivalent g. Program Memory Card or equivalent h. Miscellaneous Maintenance Items or equivalent i. UPS j. 2 Refrigerators of temperature 2-8°C (for storage of both specimens Gynae & Non-Gynae) at least 500L.
1.2	The system must be compatible and able to interphase with the Laboratory Information System.
1.3	Equipment will be installed at Cytology Laboratory, Central State Laboratory Building, RIPAS Hospital or/ another site if required.
2.0	EQUIPMENT SPECIFICATION
2.1	<p>General Features</p> <ul style="list-style-type: none"> • The system is a liquid-based thin layer cell preparation process and consists of the following modules: Vortexing module, Cell enrichment module, Slide preparation and staining module (or equivalent). • The system must be able to perform the following cell enrichment processes: Vortexing, cell mixing and layering, centrifuging, and staining (or equivalent) • The Slide Prep System is fully automated closed-system to produce slides that are intended as replacements for conventional gynecologic Pap smears and able to process non-gynecological specimen without changing any component on the same system (or equivalent). • The Slide Prep System is to convert a liquid suspension of a cervical cell sample into a discretely stained, homogeneous thin-layer of cells while maintaining diagnostic cell clusters (or equivalent). • Each equipment and each CPU should be provided with an un-interrupted power supply (UPS) with minimum an hour of backup power. • The system should be upgraded when there is a new or updated version available in the market. • The Equipment should have approval from International Standard (US FDA or/and European CE mark). • Method Verification and Quality Control performance study should be done and accepted before the analyzers are handed over to the users. All the costs should be borne by Vendor.
2.2	Technical Specifications
2.2.1	<p>Slide Prep instrument (or equivalent):</p> <ul style="list-style-type: none"> - Performs the automated sample transfer and staining steps that create a thin-layer preparation of cytological material on a coated microscope slide. - Consists of minimum of 4 Prep Mate racks: Automates the initial enrichment process of mixing and dispensing the cell solution over the density reagent
2.2.2	Keyed Slide Prep: Minimum of 4 sets of slide racks – clearly labeled and keyed racks that only fit on the system one way ensures correct sample placement (or equivalent).
2.2.3	Multi-vial vortexer: Vortex to achieve homogenization of cells of processing on the Prep Stain instrument (or equivalent).
2.2.4	Syringing pipettes: Plastic syringes that transfer the sample from the specimen vial to the centrifuge tube (or equivalent)

NO.	SPECIFICATIONS AND REQUIREMENTS
2.2.5	Type Slides: Pre-Coat slides 25(W) by 75(L) mm microscope slides (standard size) coated and prepared for use in the Prep Stain System.
2.2.6	Specimen vials: Preservative fluid collection vial (ethanol based) to transport the patient sample (or equivalent)
2.2.7	Centrifuge tubes: 12ml plastic test tubes (or equivalent).
2.2.8	Built-in Vacuum pump: To aspirate excess fluids (or equivalent).
2.2.9	Settling chamber: Serves as a vessel to contain the re-suspended cellular materials while they settle onto the coated microscope slide. The resulting thin-layer preparation is stained discretely in the same setting chamber (or equivalent).
2.2.10	Throughput processing: a) Not less than 90 slides per hour without staining. b) Not less than 40 slides per hour with staining (with walk-away automation).
2.2.11	The Slide Prep Slide Processor: Can be used to prepare non-gynecological samples to meet all cytology needs (e.g. Fine Needle Aspirations, body cavity fluids, urine) (or equivalent).
2.2.12	Test slides are not batch stained, but individually stained to minimize risk of cross contamination.
2.2.13	Screening diameter Area: 13-20 mm for cytological slides.
2.2.14	Must not require any additional treatment such as glacial acetic acid for bloody samples.
2.2.15	Sample Safety: Able to process the samples in the vials without removing the cap of the vials with the sample collection device head remaining inside the vial.
2.2.16	The methodology used must be approved and recognized by an internationally-recognized Healthcare authority, e.g. FDA in USA, as an effective method for processing a range of non-gynecologic specimens listed above. Details regarding the methodology used must be provided by the tenderer.
2.3	Collection Of Specimens
2.3.1	Specimen collection must be using either a broom-type sampling device with detachable or a combination endocervical brush/plastic spatula-type device with detachable head to collect a gynecological specimen.
2.4	Quality of Smears The cytology smears produced by the equipment must have the following quality and performance features:
2.4.1	The number of cells present on the glass slide must not be less than 40,000 cells.
2.4.2	The slides produced must be ready for routine batch staining.
2.4.3	The slides could be left in the fixative batch without immediate attention.
2.4.4	The cell sample processed must exhibit excellent morphological details and a reduction of elements such as blood, mucus and inflammatory exudates.
2.5	Slide Characteristics
2.5.1	The Mean Cell Processing System (MCPS) shall sample >40,000 cells from a specimen vial on to the slide. Cells are present in a circular area of 13mm to 20mm in diameter.
2.5.2	Processing Time: The MCPS must process not less than 15 samples in one hour.
2.6	Staining Requirements Slides produced by the MCPS must be ready for the laboratory's usual staining procedure.
2.7	Cell Morphology Cell samples processed by the MCPS must show excellent morphologic details due to optimum fixation and a reduction in elements such as blood, mucus and inflammatory

NO.	SPECIFICATIONS AND REQUIREMENTS
	exudates. There is no significant cell distortion caused by processes of the MCPS. The result of MCPS must be optimal cell preservation and preparation consistency.
2.8	Possibilities of Further Diagnostic Tests on the Remaining Materials.
2.8.1	The remaining material in the vial allows multiple repeats of slides to be prepared by the MCPS if required (e.g. for teaching sets).
2.8.2	Testing for HPV and Chlamydia can also be performed from the same vial of specimen by commercially available reagent kits.
2.9	Physical Dimensions and Weight The MCPS must be portable unit. Please specify the dimensions and weight.
3.0	TECHNICAL SPECIFICATIONS
3.1	The equipment must remain operational and within the specification throughout the voltage range of 220V +6%, 50Hz +2% and 1-phase AC electrical supply.
3.2	The equipment must be completed with two sets of operational manual and one set of service manual complete with circuit diagrams and full spare parts list.
3.3	The equipment must comply with safety requirement of IEC 61010 or equivalent.
3.4	The equipment must comply with electromagnetic compatibility requirements of IEC 61326 or equivalent.
3.5	Service training shall be provided to maintenance personnel at no additional cost.
4.0	SERVICE AND AFTER SALES SUPPORT
4.1	All reagent test kits supplied throughout this tender <u>shall</u> have a minimum expiry date of twelve (12) 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. A Letter of Undertaking shall be attached if the expiry date is six (6) months or less.
4.2	Service Back-Up – Vendor must specify details of the after sales back up plan.
4.3	The supplier SHALL be responsible for the preventive maintenance every 6 months and breakdown maintenance of the analyzers. Any breakdown should be quickly attended to within 2 hours. Spare parts SHALL be supplied by the supplier should any replacement is required during preventive and breakdown maintenance.
4.4	Appointed vendor shall provide details of the arrangement for 24-hour service support. This should include the number of engineers and application specialist, their qualification/training with the system, response time during office hours, after office hours, weekdays and weekends.
4.5	Failure to comply with 4.1, 4.2 and 4.3 provision of Clause 16 in the tender Agreement will be enforced.
4.6	Should provide delivery of reagents directly to the user or as agreed by the user.
4.7	Should aid the user with verification of methods performance for all of the tests at least with regards to precision, accuracy and linearity.
4.8	In the event of test results cannot be produced due to equipment failure or unavailable reagent supplies within the specified turnaround time, the vendor shall arrange and bear all costs for analysis of tests to an accredited laboratory (ISO 15189)
4.9	Delivery of reagents and consumables will be staggered as requested and agreed by the user.
4.10	Vendor shall be responsible for storage of reagents and consumables if the laboratory storage is full.
5.0	ENVIRONMENTAL AND INFRASTRUCTURE REQUIREMENTS
5.1	The vendor shall conduct a site survey to determine the electrical and environmental requirements for their proposed equipment.

NO.	SPECIFICATIONS AND REQUIREMENTS
5.2	Should preferably occupy space not more than the present system, if any renovation (electrical and/or environmental) is required, costs will be borne by the Vendor.
5.3	Low generation of hazardous, chemical or biological waste.
5.4	If biological liquid waste is generated, the Vendor should provide the following for treatment of the waste; Two waste containers which can be capped, have an inlet and outlet, easy to handle and do not hold more than 15L of liquid waste.
5.5	Proper guidelines to disinfect the liquid waste that is acceptable to ISO 15189 shall be provided.
5.6	Vendor shall be responsible for safe disposal of chemical and biological waste monthly or when needed.
6.0	MISCELLANEOUS
6.1	The consumable and reagents must include preservatives for gynaecologic and non-gynaecologic specimens, specimen collection fluids, and specially treated slides and centrifuge tube with caps (or equivalent).
6.2	All the reagents must remain stable throughout the shelf life when stored at room temperature.
6.3	All the reagents must have a minimum shelf life of 12 months from the date of acceptance.
6.4	The tenderer must provide in their quotation a list of reagents, consumable / test kits applicable to the equipment. The total cost of all reagents, consumables/test kits for processing 12,960 gynaecological samples and 4,992 non-gynaecological samples for five (5) years
7.0	LITERATURE
7.1	To supply one (1) soft copy or one (1) set of hard copy of the Operating Manual and Service Manual.
7.2	To provide Safety Data Sheet (SDS) and other relevant safety documents for all reagents used.
7.3	To provide Maintenance Record Data Sheet for all relevant equipment.
7.4	To provide reference text books, atlas, journals and articles of any updates for Gynaecological and Non-gynaecological pathology.
8.0	TRAINING
8.1	Training should be provided, at no additional cost, as follows; On-site training for ALL staff members expected to handle the machine. Please ensure that adequate time is allocated such that training will take place in small groups to minimize staff shortage in the laboratory.
8.2	Certificate of competence is to be issued to all trainees after completion of training.
8.3	The successful tenderer needs to ensure the key users are updated on any relevant information related to the laboratory testing. They shall provide ONE off-site training for two (2) key users for every two (2) years of contract . All expenses for attending the training shall be borne by the vendor; full registration, air ticket, daily allowance, accommodation, transport to and from the airport and place of training. Training may be in the form of operator's training, workshop, congress, international conference including 3rd-party conference, or other forms of training that is deemed appropriate and relevant.
8.4	Inviting speakers from overseas to give talks or presentations to the users on topics related to the laboratory testing as part of users' continuous education. Certificate of attendance is to be issued to all trainees after completion of training.
8.5	Vendor must provide all laboratory staff that has completed their cell morphology training with documentation confirming this status.

NO.	SPECIFICATIONS AND REQUIREMENTS
8.6	Vendor must provide continuous comprehensive training for cytology technical staff and pathologists on site in areas of monolayer cell morphology, sample preparation protocols, routine maintenance and troubleshooting, and equipment operation.
8.7	On-site training for all cytotechnologist/ cytopathologist staff members, on-site technical training for all relevant staff members. Continuous Education supports both in house for cytoscreeners and pathologist.
8.8	Certificate of training attendance issued to all trainees.
8.9	Refresher course or training will be provided when deemed necessary during the period of five-year contract.
8.10	Refresher course or training will be provided for the smear takers (clinicians/staff nurses/nurses) and certificate of attendance issued to all trainees.
9	FINANCIAL AGREEMENT
9.1	A rental agreement is required over a period of five (5) years for the provision of the reagent kits as per estimated total costs for this contract. However, contract agreement shall be terminated when total expenditures of supplies exceed the estimated total costs regardless of five (5) years contract.
9.2	Supply of the test kit including reagents, consumables and accessories is based on the number of kits required in the Purchase Order according to an agreed schedule period.
9.3	Buffer stock of the test kit including reagents, consumables and accessories should be available at the local representative as contingency.
9.4	The equipment supplied should include reagents, consumables, calibrators, maintenance record sheet, maintenance cleaning kit and quality control for initially setting up of the instruments.
9.5	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.
9.6	All costs incurred for the supply and delivery of test kit including reagents, consumables and accessories, equipment and other accessories required by the tender will be borne by the successful tenderer.
9.7	The successful tenderer will provide the MCPS free of charge and covered with full comprehensive equipment maintenance service.
10	DELIVERY PERIOD: 8-12 weeks (Please state)
11	PRICE VALIDITY: The quotation shall remain valid for 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).
12	EXIT CLAUSE: The tender contract shall be automatically terminated even though tender has not yet expired: - When the testing is no longer required or relevant to the laboratory or department. - When the budget allocation has finished before Tender Contract expires.

NOTE: *8.0 or **8.0 DELETE WHICH ARE NOT APPLICABLE

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:

*To all participating companies, please fill in the table above along with your other documents during submission of tender.

DELIVERY PERIOD AFTER PO ISSUED	8-12 WEEKS	
Lab/Section/Unit	NATIONAL HISTOLOGY AND CYTOLOGY REFERENCE LABORATORY & MORTUARY SERVICE/ CYTOLOGY LABORATORY	
Lab/Section/Unit Ref No.:	DLS/PU/CYT/2022/>50K/02	
Person to Contact	Name : DK HJH ROZILLAH PG AHMAD	
	E-mail :rozillah.ahmad@moh.gov.bn	
	Tel. No. :2242424 Ext 6704	Fax No. : -
FOR ADMINISTRATION USE ONLY		
PPM/PROC Ref. No.	PPM/PROC/2022/>50K/066(CYT)	
Advertisement Ref. No.		Date :

SECTION 3
FORMS TO BE USED

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SCHEDULE 1

TENDER FORM

To:

TENDER REFERENCE NO: KK/311/2022/LAB(TC)

INVITATION TO TENDER

TO SUPPLY AND DELIVER LABORATORY TEST KITS (CYTOLOGY: LIQUID BASED CYTOLOGY TESTING SYSTEM- GYNAE & NON-GYNAE TEST KITS) WITH EQUIPMENT RENTAL FOR NATIONAL HISTOLOGY AND CYTOLOGY REFERENCE LABORATORY & MORTUARY SERVICES (CYTOLOGY LABORATORY), DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF FIVE (5) YEARS USAGE

DELIVERY PERIOD AFTER PO ISSUED	
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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	Liquid-Based Pap Test - Gyn Kit (Include 1A, 1B, 1C, 1D, 1E (i) or (ii))								
1A	SlidePrep Consumables Kit Contains: - PreCoated Slides - Settling Chambers - Transfer Tips	480 Tests/Box 2 Bags x 240 5 Packs x 96 3 Packs x 192	27 KITS (FOR 12,960 TESTS)						

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\$)
1B	Enrichment Consumables Kit Contains: - Density Reagent - Centrifuge Tubes - Syringing Pipettes - Aspirator Tips	480 Tests/Box 480ml/Bottle 1 Bag x 480 2 Boxes x 240 5 Boxes x 96							
1C	Collection Vial	500 Vials Per Box							
1D	Cytology Stain Kit Contains: - Hematoxylin Stain 0.75 - EA/OG Combo Stain	480ml/Bottle 480ml/Bottle							
1E (i)	Brush Collection Device OR	500 tests/box							
1E (ii)	Coopers Brush & Spatula Collection Device	500 tests/box							
2	Non-Gynae Liquid Based Pap Test Kit (Include 2A, 2B & 2C)								
2A	SlidePrep Non-GYN Test Kit Contains: - Centrifuge Tubes - PreCoat Slides - Settling Chambers - Transfer tips	192 Tests/Box 2 Bags X 96 2 Packs X 96 2 Bags X 96 2 Packs X 96	26 KITS (FOR 4,992 TESTS)						
2B	Red Preservative	3.6L /Bottle							

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\$)
2C	Non-GYN Stain Kit Haematoxylin 0.5 & EA/OG6	480 ml/Box & 480 ml/Box							
3	Accessories / Consumables Gyn & Non Gyn (shall be inclusive in items 1 & 2)								
3A	Preservative Fluid	3.6 L/Bottle	12 BOTTLES						
3B	Buffered TRIS	1 pack	12 PACKS						
3C	Alcohol Blend Rinse	1.7L/Bottle	48 BOTTLES						
3D	DL-Dithiothreitol	25 gm/Bottle	10 KITS						
3E	Barcode Label-Pain, Material: Art Paper, Size: 23mm(W) x 18mm(H)	3000 Pcs/Roll	20 ROLLS						
3F	Centrifuge Caps	10,000 pieces/carton	2 CARTONS						
3G	Thermal Transfer Ribbon Material: Wax, Resin Size: 40mm x 70mm	Per unit	5 UNITS						

***Cost per test should include the kit, control, calibrator and accessories/consumables required to run the test.**

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
1.0	PROVISION OF EQUIPMENT	
1.1	<p>Two (2) Units of Monolayer Cytology Preparation System (MCPS) which includes:</p> <ol style="list-style-type: none"> a. The Processor Unit or equivalent b. Accessory Kit or equivalent c. Waste Bottles or equivalent d. Operator's Manual e. Power Cord f. Dispenser Pumps or equivalent g. Program Memory Card or equivalent h. Miscellaneous Maintenance Items or equivalent i. UPS j. 2 Refrigerators of temperature 2-8°C (for storage of both specimens Gynae & Non-Gynae) at least 500L. 	
1.2	The system must be compatible and able to interphase with the Laboratory Information System.	
1.3	Equipment will be installed at Cytology Laboratory, Central State Laboratory Building, RIPAS Hospital or/ another site if required.	
2.0	EQUIPMENT SPECIFICATION	
2.1	<p>General Features</p> <ul style="list-style-type: none"> • The system is a liquid-based thin layer cell preparation process and consists of the following modules: Vortexing module, Cell enrichment module, Slide preparation and staining module (or equivalent). • The system must be able to perform the following cell enrichment processes: Vortexing, cell mixing and layering, centrifuging, and staining (or equivalent) • The Slide Prep System is fully automated closed-system to produce slides that are intended as replacements for conventional gynecologic Pap smears and able to process non-gynecological specimen without changing any component on the same system (or equivalent). • The Slide Prep System is to convert a liquid suspension of a cervical cell sample into a discretely stained, homogeneous thin-layer of cells while maintaining diagnostic cell clusters (or equivalent). 	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
	<ul style="list-style-type: none"> • Each equipment and each CPU should be provided with an un-interrupted power supply (UPS) with minimum an hour of backup power. • The system should be upgraded when there is a new or updated version available in the market. • The Equipment should have approval from International Standard (US FDA or/and European CE mark). • Method Verification and Quality Control performance study should be done and accepted before the analyzers are handed over to the users. All the costs should be borne by Vendor. 	
2.2	Technical Specifications	
2.2.1	Slide Prep instrument (or equivalent): <ul style="list-style-type: none"> - Performs the automated sample transfer and staining steps that create a thin-layer preparation of cytological material on a coated microscope slide. - Consists of minimum of 4 Prep Mate racks: Automates the initial enrichment process of mixing and dispensing the cell solution over the density reagent 	
2.2.2	Keyed Slide Prep: Minimum of 4 sets of slide racks – clearly labeled and keyed racks that only fit on the system one way ensures correct sample placement (or equivalent).	
2.2.3	Multi-vial vortexer: Vortex to achieve homogenization of cells of processing on the Prep Stain instrument (or equivalent).	
2.2.4	Syringing pipettes: Plastic syringes that transfer the sample from the specimen vial to the centrifuge tube (or equivalent)	
2.2.5	Type Slides: Pre-Coat slides 25(W) by 75(L) mm microscope slides (standard size) coated and prepared for use in the Prep Stain System.	
2.2.6	Specimen vials: Preservative fluid collection vial (ethanol based) to transport the patient sample (or equivalent)	
2.2.7	Centrifuge tubes: 12ml plastic test tubes (or equivalent).	
2.2.8	Built-in Vacuum pump: To aspirate excess fluids (or equivalent).	
2.2.9	Settling chamber: Serves as a vessel to contain the re-suspended cellular materials while they settle onto the coated microscope slide. The resulting thin-layer preparation is stained discretely in the same setting chamber (or equivalent).	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
2.2.10	Throughput processing: a) Not less than 90 slides per hour without staining. b) Not less than 40 slides per hour with staining (with walk-away automation).	
2.2.11	The Slide Prep Slide Processor: Can be used to prepare non-gynecological samples to meet all cytology needs (e.g. Fine Needle Aspirations, body cavity fluids, urine) (or equivalent).	
2.2.12	Test slides are not batch stained, but individually stained to minimize risk of cross contamination.	
2.2.13	Screening diameter Area: 13-20 mm for cytological slides.	
2.2.14	Must not require any additional treatment such as glacial acetic acid for bloody samples.	
2.2.15	Sample Safety: Able to process the samples in the vials without removing the cap of the vials with the sample collection device head remaining inside the vial.	
2.2.16	The methodology used must be approved and recognized by an internationally-recognised Healthcare authority, e.g. FDA in USA, as an effective method for processing a range of non-gynecologic specimens listed above. Details regarding the methodology used must be provided by the tenderer.	
2.3	Collection Of Specimens	
2.3.1	Specimen collection must be using either a broom-type sampling device with detachable or a combination endocervical brush/plastic spatula-type device with detachable head to collect a gynecological specimen.	
2.4	Quality of Smears The cytology smears produced by the equipment must have the following quality and performance features:	
2.4.1	The number of cells present on the glass slide must not be less than 40,000 cells.	
2.4.2	The slides produced must be ready for routine batch staining.	
2.4.3	The slides could be left in the fixative batch without immediate attention.	
2.4.4	The cell sample processed must exhibit excellent morphological details and a reduction of elements such as blood, mucus and inflammatory exudates.	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
2.5	Slide Characteristics	
2.5.1	The Mean Cell Processing System (MCPS) shall sample >40,000 cells from a specimen vial on to the slide. Cells are present in a circular area of 13mm to 20mm in diameter.	
2.5.2	Processing Time: The MCPS must process not less than 15 samples in one hour.	
2.6	Staining Requirements Slides produced by the MCPS must be ready for the laboratory's usual staining procedure.	
2.7	Cell Morphology Cell samples processed by the MCPS must show excellent morphologic details due to optimum fixation and a reduction in elements such as blood, mucus and inflammatory exudates. There is no significant cell distortion caused by processes of the MCPS. The result of MCPS must be optimal cell preservation and preparation consistency.	
2.8	Possibilities of Further Diagnostic Tests on the Remaining Materials.	
2.8.1	The remaining material in the vial allows multiple repeats of slides to be prepared by the MCPS if required (e.g. for teaching sets).	
2.8.2	Testing for HPV and Chlamydia can also be performed from the same vial of specimen by commercially available reagent kits.	
2.9	Physical Dimensions and Weight The MCPS must be portable unit. Please specify the dimensions and weight.	
3.0	TECHNICAL SPECIFICATIONS	
3.1	The equipment must remain operational and within the specification throughout the voltage range of 220V +6%, 50Hz ±2% and 1-phase AC electrical supply.	
3.2	The equipment must be completed with two sets of operational manual and one set of service manual complete with circuit diagrams and full spare parts list.	
3.3	The equipment must comply with safety requirement of IEC 61010 or equivalent.	
3.4	The equipment must comply with electromagnetic compatibility requirements of IEC 61326 or equivalent.	
3.5	Service training shall be provided to maintenance personnel at no additional cost.	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
4.0	SERVICE AND AFTER SALES SUPPORT	
4.1	All reagent test kits supplied throughout this tender shall have a minimum expiry date of twelve (12) 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. A Letter of Undertaking shall be attached if the expiry date is six (6) months or less.	
4.2	Service Back-Up – Vendor must specify details of the after sales back up plan.	
4.3	The supplier SHALL be responsible for the preventive maintenance every 6 months and breakdown maintenance of the analyzers. Any breakdown should be quickly attended to within 2 hours. Spare parts SHALL be supplied by the supplier should any replacement is required during preventive and breakdown maintenance.	
4.4	Appointed vendor shall provide details of the arrangement for 24-hour service support. This should include the number of engineers and application specialist, their qualification/training with the system, response time during office hours, after office hours, weekdays and weekends.	
4.5	Failure to comply with 4.1, 4.2 and 4.3 provision of Clause 16 in the tender Agreement will be enforced.	
4.6	Should provide delivery of reagents directly to the user or as agreed by the user.	
4.7	Should aid the user with verification of methods performance for all of the tests at least with regards to precision, accuracy and linearity.	
4.8	In the event of test results cannot be produced due to equipment failure or unavailable reagent supplies within the specified turnaround time, the vendor shall arrange and bear all costs for analysis of tests to an accredited laboratory (ISO 15189)	
4.9	Delivery of reagents and consumables will be staggered as requested and agreed by the user.	
4.10	Vendor shall be responsible for storage of reagents and consumables if the laboratory storage is full.	
5.0	ENVIRONMENTAL AND INFRASTRUCTURE REQUIREMENTS	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
5.1	The vendor shall conduct a site survey to determine the electrical and environmental requirements for their proposed equipment.	
5.2	Should preferably occupy space not more than the present system, if any renovation (electrical and/or environmental) is required, costs will be borne by the Vendor.	
5.3	Low generation of hazardous, chemical or biological waste.	
5.4	If biological liquid waste is generated, the Vendor should provide the following for treatment of the waste; Two waste containers which can be capped, have an inlet and outlet, easy to handle and do not hold more than 15L of liquid waste.	
5.5	Proper guidelines to disinfect the liquid waste that is acceptable to ISO 15189 shall be provided.	
5.6	Vendor shall be responsible for safe disposal of chemical and biological waste monthly or when needed.	
6.0	MISCELLANEOUS	
6.1	The consumable and reagents must include preservatives for gynaecologic and non-gynaecologic specimens, specimen collection fluids, and specially treated slides and centrifuge tube with caps (or equivalent).	
6.2	All the reagents must remain stable throughout the shelf life when stored at room temperature.	
6.3	All the reagents must have a minimum shelf life of 12 months from the date of acceptance.	
6.4	The tenderer must provide in their quotation a list of reagents, consumable / test kits applicable to the equipment. The total cost of all reagents, consumables/test kits for processing 12,960 gynaecological samples and 4,992 non-gynaecological samples for five (5) years	
7.0	LITERATURE	
7.1	To supply one (1) soft copy or one (1) set of hard copy of the Operating Manual and Service Manual.	
7.2	To provide Safety Data Sheet (SDS) and other relevant safety documents for all reagents used.	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
7.3	To provide Maintenance Record Data Sheet for all relevant equipment.	
7.4	To provide reference text books, atlas, journals and articles of any updates for Gynaecological and Non-gynaecological pathology.	
8.0	TRAINING	
8.1	Training should be provided, at no additional cost, as follows; On-site training for ALL staff members expected to handle the machine. Please ensure that adequate time is allocated such that training will take place in small groups to minimize staff shortage in the laboratory.	
8.2	Certificate of competence is to be issued to all trainees after completion of training.	
8.3	The successful tenderer needs to ensure the key users are updated on any relevant information related to the laboratory testing. They shall provide ONE off-site training for two (2) key users for every two (2) years of contract. All expenses for attending the training shall be borne by the vendor; full registration, air ticket, daily allowance, accommodation, transport to and from the airport and place of training. Training may be in the form of operator's training, workshop, congress, international conference including 3rd-party conference, or other forms of training that is deemed appropriate and relevant.	
8.4	Inviting speakers from overseas to give talks or presentations to the users on topics related to the laboratory testing as part of users' continuous education. Certificate of attendance is to be issued to all trainees after completion of training.	
8.5	Vendor must provide all laboratory staff that has completed their cell morphology training with documentation confirming this status.	
8.6	Vendor must provide continuous comprehensive training for cytology technical staff and pathologists on site in areas of monolayer cell morphology, sample preparation protocols, routine maintenance and troubleshooting, and equipment operation.	
8.7	On-site training for all cytotechnologist/ cytopathologist staff members, on-site technical training for all relevant staff members. Continuous Education supports both in house for cytoscreeners and pathologist.	
8.8	Certificate of training attendance issued to all trainees.	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
8.9	Refresher course or training will be provided when deemed necessary during the period of five-year contract.	
8.10	Refresher course or training will be provided for the smear takers (clinicians/staff nurses/nurses) and certificate of attendance issued to all trainees.	
9	FINANCIAL AGREEMENT	
9.1	A rental agreement is required over a period of five (5) years for the provision of the reagent kits as per estimated total costs for this contract. However, contract agreement shall be terminated when total expenditures of supplies exceed the estimated total costs regardless of five (5) years contract.	
9.2	Supply of the test kit including reagents, consumables and accessories is based on the number of kits required in the Purchase Order according to an agreed schedule period.	
9.3	Buffer stock of the test kit including reagents, consumables and accessories should be available at the local representative as contingency.	
9.4	The equipment supplied should include reagents, consumables, calibrators, maintenance record sheet, maintenance cleaning kit and quality control for initially setting up of the instruments.	
9.5	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.	
9.6	All costs incurred for the supply and delivery of test kit including reagents, consumables and accessories, equipment and other accessories required by the tender will be borne by the successful tenderer.	
9.7	The successful tenderer will provide the MCPS free of charge and covered with full comprehensive equipment maintenance service.	
10	DELIVERY PERIOD: 8-12 WEEKS (Please state)	(Yes / No) (If No, please specify)

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
11	<p>PRICE VALIDITY: The quotation shall remain valid for 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>	
12	<p>EXIT CLAUSE: The tender contract shall be automatically terminated even though tender has not yet expired:</p> <ul style="list-style-type: none"> - When the testing is no longer required or relevant to the laboratory or department. - When the budget allocation has finished before Tender Contract expires. 	

NO.	GENERAL SPECIFICATIONS	VENDOR'S OFFER (PLEASE STATE)
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:	

*To all participating companies, please fill in the table above along with your other documents during submission of tender.

1. We offer and undertake on your acceptance of our Tender to supply and deliver the above mentioned goods in accordance with your Invitation To Tender.
2. Our Tender is fully consistent with and does not contradict or derogate from anything in your Invitation To Tender. We have not qualified or changed any of the provisions of your Invitation To Tender.
3. We shall execute a formal agreement in the appropriate form set out in Section 4 – Contract of the Invitation to Tender together with such further terms and conditions, if any, agreed between the Government and us.
4. OUR OFFER IS VALID FOR **TWELVE (12)** CALENDER MONTHS FROM THE TENDER CLOSING DATE.
5. When requested by you, we shall extend the validity of this offer.
6. We further undertake to give you any further information which you may require.

Dated this _____ day of _____, 20_____

[Signature of authorised officer of Tenderer]

Name:

Designation:

Tenderer's official stamp:

SCHEDULE 2 - INFORMATION SUMMARY

2.1 Tenderers shall provide in this Schedule the following information:

- (a) Management summary
- (b) Company profile (including Contractor and sub-contractor(s), if any)
- (c) Years of experience (as of the Tender Closing Date) of the Contractor and sub-contractor(s) in the:
 - *Supply & Delivery Of Laboratory Equipment, Test Kits and Consumables.*
- (d) Other information which is considered relevant

SCHEDULE 3 – SUB-CONTRACTS

- 3.1 Tenderers shall complete Table 3.1 with information about all the companies involved in the provision of the services and items specified in this tender. This shall include details about the Contractor and each sub-contractor involved, as well as their respective responsibilities.
- 3.2 Tenderers shall also indicate in Table 3.1 any alliance relationship established with each sub-contractor. An alliance is defined as a formal and binding business relationship between the allied parties.

Table 3.1 Responsibility Table

Company Name	Responsibility Description	Alliance Relationship between Contractor and Sub-contractor(s)		
		Alliance Exists? (Y/N)	Date Established	Alliance Description
Contractor				
		Not Applicable	Not Applicable	Not Applicable
Sub-contractor(s)				

SCHEDULE 4 – COMPANY’S BACKGROUND

- 4.1 Each of the companies involved in this tender, including Contractor and sub-contractor(s) (if any), shall provide information on the company’s background, scope of operations, financial standing and certified copy of its Certificate of Incorporation or Certificate of Registration (as the case may be).

SCHEDULE 5 – REFERENCES

- 5.1 Tenderers shall submit a list of customers in Table 5.1 to whom the Contractor has provided similar services and items as specified in this tender in the recent 5 years as of the Tender Closing Date.

Table 5.1 References of previous customers

Customer Name and Address	Customer Type (Govt or Quasi Govt)*	Contact Person	Title	Contact Number, Fax Number and E-mail Address

***Note: Tenderers shall indicate whether the customer is a Government or Quasi Government organisation. A Quasi Government is defined as an organisation which (1) is managed and controlled by the Government; or (2) has at least 50% shares being held by the Government. Please leave the column blank if the customer is neither a Government or Quasi Government organisation.**

- 5.2 The Ministry of Health shall treat all the information submitted under this schedule in strict confidence.
- 5.3 The Ministry of Health reserves the right to contact the references for tender assessment purposes.

SCHEDULE 6 - SUBMISSION OF SAMPLE

- 6.1 Tenderers shall submit the Submission of Sample form below in respect of the items specified in this tender.
- 6.2 Samples of the items to be submitted shall be:
- a) identical in packing and manufacture to the items to be offered by the Tenderer; and
 - b) marked with the corresponding item number of the tender.

SUBMISSION OF SAMPLE FORM

To:

TENDER REFERENCE NO: KK/311/2022/LAB(TC)

**INVITATION TO TENDER
TO SUPPLY AND DELIVER LABORATORY TEST KITS (CYTOLOGY: LIQUID BASED
CYTOLOGY TESTING SYSTEM- GYNAE & NON-GYNAE TEST KITS) WITH EQUIPMENT
RENTAL FOR NATIONAL HISTOLOGY AND CYTOLOGY REFERENCE LABORATORY &
MORTUARY SERVICES (CYTOLOGY LABORATORY), DEPARTMENT OF LABORATORY
SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF FIVE (5) YEARS USAGE**

SUBMISSION OF SAMPLE FORM OF (NAME OF TENDERER)

NO.	TEST/REAGENT NAME	SAMPLE SUBMITTED (indicate with ✓)	SAMPLE NOT SUBMITTED (indicate with ✕)	OFFERED/ NOT OFFERED (indicate as appropriate)
1	Liquid-Based Pap Test - Gyn Kit (Include 1A, 1B, 1C, 1D, 1E (i) or (ii))			
2	Non-Gynae Liquid Based Pap Test Kit (Include 2A, 2B & 2C)			
3	Accessories/Consumables Gyn & Non Gyn (shall be inclusive in items 1 & 2)			

We understand as stated in the Instructions to Tenderers that Tenders without samples shall not be considered.

Tenderer's official stamp:

[signature of authorized officer of Tenderer]

Name:

Designation:

Date:

FOR OFFICE USE

Date of receipt : _____

Receiving Officer : _____