

TENDER REF. NO.: KK/174/2026/LAB(TC)

**MINISTRY OF HEALTH
NEGARA BRUNEI DARUSSALAM**

**TO SUPPLY AND DELIVER FLOW CYTOMETER
REAGENTS WITH EQUIPMENT RENTAL FOR NATIONAL
IMMUNOLOGY REFERENCE LABORATORY (NIRL),
DEPARTMENT OF LABORATORY SERVICES, MINISTRY
OF HEALTH FOR A PERIOD OF FIVE (5) YEARS USAGE**

TENDER FEE : \$30.00

RECEIPT NO. :

CLOSING DATE : ON TUESDAY, 18th August 2026

TIME : 2.00 PM

FOA :

**THE CHAIRMAN
MINI TENDER BOARD, TENDER BOX
GROUND FLOOR, MINISTRY OF HEALTH
COMMONWEALTH DRIVE
BANDAR SERI BEGAWAN BB3910
NEGARA BRUNEI DARUSSALAM**

[CLUSTERING]

SECTION 2

SPECIFICATIONS AND REQUIREMENTS

TENDER REFERENCE NO: KK/174/2026/LAB(TC)

INVITATION TO TENDER

TO SUPPLY AND DELIVER FLOW CYTOMETER REAGENTS WITH EQUIPMENT RENTAL FOR NATIONAL IMMUNOLOGY REFERENCE LABORATORY (NIRL), DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF FIVE (5) YEARS USAGE

DELIVERY PERIOD AFTER PO ISSUED	PREFERABLY 4-8 WEEKS AND NO LONGER THAN 12 WEEKS
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1.0 SUPPLY OF REAGENTS

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

TABLE 1: SUMMARY OF UNIT PRICE OF REAGENT KIT
(To be completed by Vendor for submission)

USER'S REQUIREMENTS			
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
1	BD CS&T Beads 150 Tests IVD	150 tests/kit	4 Kit
2	BD FC Beads 7-Colour Kit	EA	3 EA
3	BD FC Beads 5-Colour Kit	EA	3 EA
4	BD FACS Flow Sheath Fluid 20L	20L/Bottle	6 bottles
5	BD FACS Clean Solution 5L	5L/Bottle	5 bottles
6	Multitest CD3/CD8/CD45/CD4 50 Tests IVD	50 Tests/Kit	12 kits
7	Trucount Absolute Counting Tubes US 50 Tests IVD	50 Tests/Kit	12 kits

*Cost per test should include the required kit, control, calibrator, accessories/consumables and all other costs incurred in this contract to run the test.

NO.	SPECIFICATIONS AND REQUIREMENTS
2.0	PROVISION OF EQUIPMENT
2.1	To supply, deliver, install, and commission ONE (1) new unit of fully automated Flow Cytometer system to National Immunology Reference Laboratory (NIRL), Department of Laboratory Sciences, Ministry of Health. Tenderer would need to provide an overview of the system and in addition, indicating for each point below, whether the system offered, complies with the tender specifications. System shall fit the below description: Measures physical and chemical characteristics of cells or particles in a fluid stream. Cells are aligned in single file using hydrodynamic focusing and pass through one or more laser beams. Fluorescently labelled cells are then excited by the laser to emit light at varying wavelengths to analyze and identify cell populations for diagnosing, classifying, monitoring diseases, and identify abnormal cells.
3.0	EQUIPMENT SPECIFICATION
3.1	General Features
3.1.1	System shall integrate and completely automate the following operations: ▪ Flow cytometer ▪ Accessories and consumables ▪ Computer workstation with pre-installed software(s) compatible with Flow cytometer
3.1.2	System shall be: ▪ User-friendly and easy to operate with pre-programmable startup and automated shutdown. ▪ Easy to clean and maintain ▪ Benchtop model ▪ Suitable for IVD use
3.2	Optical and Detection Specifications
3.2.1	System must be equipped with 3 lasers with wavelengths of 488nm, 405nm, 640nm
3.2.2	System must have minimum of 12 Fluorescence Channels
3.2.3	Beam Spot Size: 9 µm × 63 µm
3.2.4	System must be capable of resolving 0.2 µm beads from noise
3.2.5	System must come with integrated Chip-Coded Filter-Mirror Units
3.2.6	System must be capable of auto alignment with laser/optical alignment on demand
3.3	Fluidics System
3.3.1	Vacuum-driven fluidics
3.3.2	Minimum 5 L capacity of reservoirs for sheath fluid and waste
3.3.3	The system allows the user to select and adjust sample flow rates, including Low, Medium, and High settings
3.4	Loader and Sampling
3.4.1	System is equipped with a loader supporting: 12x75mm tubes and multiple plate formats
3.4.2	Loader features: ▪ Camera for rack and tube presence detection ▪ Orbital shaking for mixing/vortexing
3.4.3	High Throughput: System must be capable of processing 40 tubes in ≤1 hour
3.4.4	Sampling Options includes manual single-tube loading (compatible with 2 mL, 15 mL, and 50 mL tubes)
3.4.5	Sample Carryover: ≤0.10%
3.4.6	System allows automated walkaway operation with predefined cleaning and shutdown
3.4.7	Auto Wash: Sample probe flush after tube removal
3.4.8	System must allow for barcode enabled sample tracking
3.4.9	System supports primary tube sampling for both manual and automated workflows
3.5	Data Management Specifications

NO.	SPECIFICATIONS AND REQUIREMENTS
3.5.1	Single-tube QC for automated daily instrument standardization
3.5.2	Daily compensation update without re-running compensation
3.5.3	Update required only every 60 days for system compensation
3.5.4	System generated reports must contains the below: ▪ Customizable tables, headers, and footers ▪ Trainable gates for consistent population identification ▪ Flexible calculations and expressions
3.5.5	Electronic Signatures: Up to 3 signatures with name, date, time, and meaning displayed
3.5.6	Regulatory Compliance: ▪ Complies with 21 CFR Part 11 for data integrity and traceability ▪ Time-stamped audit trails accurate to the second ▪ Controlled data deletion
3.5.7	Assay portability, enabling consistent measurement of antibody panel combinations across multiple instruments
3.6	IT SPECIFICATIONS
3.6.1	Processor and monitor: Intel core i9 or higher
3.6.2	Operating System: Win 11 or better
3.6.3	Memory (RAM): at least 16GB
3.6.4	Hard disk: at least 1TB SSD
3.6.5	Coloured Printer must be provided for printing of results and replacement of ink cartridges when necessary
3.6.6	Latest anti-virus and anti-malware software
3.6.7	Licensed Software compatible with offer System
4.0	TECHNICAL SPECIFICATIONS
4.1	System weight shall not exceed 70 kg
4.2	Dimensions of system shall not exceed 110 cm × 60 cm × 60 cm (W × D × H)
4.3	System Acquisition Rate: ▪ ≥30,000 events per second ▪ No limit on number of events acquired in a single FCS file
4.4	System shall be able to be surface disinfected without internal component damage or discolouration with diluted bleach solutions, alcohol wipes or equivalence.
4.5	Power and water requirements: No or low water consumption. If water is required, state how much and what purity, with provision of water purification system included. Please provide specification for power requirement. All costs for installing electrical and water requirements shall be borne by the Vendor. All the electrical wires shall be covered with PVC trunk properly for safety precautions.
4.6	Validation of the equipment is to be conducted by the Tenderer and reagent kits and consumables used for validation purposes are to be provided by the Tenderer, when necessary.
5.0	SERVICE AND AFTER SALES SUPPORT
5.1	All reagent test kits / consumables supplied throughout this tender shall have a minimum expiry date of six (6) months on delivery. Should the reagent or consumable be urgently needed, provision of a reagent test kit or consumable with expiry date of less than six (6) should be first agreed by the User of the particular laboratory before delivery is made.
5.2	Letter of Undertaking (LOU) shall be produced upon each delivery of test kit or consumable with expiry date of less than six (6) months and vendor shall declare in the LOU that unused, unopened, expired kits will be replaced accordingly. For items which are known to have short expiry date such as those containing red blood cells, list down all such items and vendor shall declare in this tender submission of such items and shall be exempted from submitting LOU upon delivery.
5.3	The Tenderer shall provide details of the arrangement for 24-hour service support. This should include the number of engineers and application specialists, their

NO.	SPECIFICATIONS AND REQUIREMENTS
	qualification/training with the system, response time during office hours, after office hours, weekdays, weekends and public holidays.
5.4	The Tenderer shall be responsible for the preventive maintenance and breakdown maintenance of the equipment. Any breakdown or error arises shall be quickly attended to within a day. Daily maintenance shall be performed by the operators. Any other maintenance, inclusive of Weekly, Quarterly, and Annually, is the responsibility of the tenderer
5.5	All spare parts shall be supplied by the Tenderer if any replacement is required during the preventive and breakdown maintenance.
5.6	Tenderer should provide a contingency plan for when there is an equipment breakdown to ensure no interruption of tests.
5.7	Staggered delivery every 3 months period directly to the User.
5.8	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: ▪ Tampered or damaged box ▪ Leakage upon delivery ▪ Items stored pre-delivery not in accordance to manufacturer's instructions ▪ Expiry date not meeting requirement
5.9	User shall have the rights to return any items, and to be replaced at no extra cost, if found not meeting the acceptance criteria upon opening a pack such as, but not limited to, the following: ▪ Tampered or damaged packaging ▪ Evident of leakage or damaged products ▪ Expired products that are evidently less than the requirement mentioned in para 4.1 calculated from delivery date ▪ Leakage upon delivery
5.10	Vendor shall submit samples of the offered items directly to the Users no later than 7 days after the Closing Date of this advertisement or as required by the Users.
5.11	A copy of service report must be submitted to the laboratory whenever service work is done on the instrument.
5.12	Vendor shall aid the user with verification of a comprehensive methods performance for all of the tests listed above including, but not limited to, precision, accuracy, linearity, sensitivity, specificity, carryover, limit of detection or as required by the User depending on the nature of testing. Report of the verification study shall be submitted to the User for approval by the Director of Laboratory Services.
5.13	Reagents for verification of a comprehensive methods performance for all of the tests listed above including, but not limited to, precision, accuracy, linearity, sensitivity, specificity, carryover, limit of detection or as required by the User depending on the nature of testing shall be borne by the successful tenderer.
5.14	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).
6.0	PROVISION OF PERSONNEL
6.1	The successful tenderer is required to provide one (1) Scientific Officer, or Medical Laboratory Technologist, or equivalent, to be stationed at the National Immunology Reference Laboratory (NIRL), Department of Laboratory Services (DLS), for the five-year contract duration. The officer will support daily operations and maintain quality assurance standards during the following working hours: Standard Hours: Monday–Thursday and Saturday (07:45–12:15 and 13:30–16:30) Ramadan Hours: 08:00–14:00
6.2	The officer shall have the following duties and responsibilities, but are not limited to,: 1. Manage inventory of reagents and consumables and to deliver when required. 2. Perform the reagent lot-to-lot verification for every new delivery and new lot where applicable. 3. Perform laboratory testing on blood donor samples and External Quality Assurance program.

NO.	SPECIFICATIONS AND REQUIREMENTS
	4. Retrieve quality data or statistic on monthly basis and submit the report to the Head of NIRL for verification. 5. Train and evaluate competency of the staffs as requested by HOS NIRL. 6. Review daily activity and report to HOS NIRL if issue or outlier is identified. 7. Report and document any instrument breakdown and ensure any issues are corrected immediately and ensure downtime of instrument are minimal so as not to disrupt downstream processes and services. The Tenderer may provide additional duties and responsibilities suitable with the officer's post and qualifications. However, his/her duties and responsibilities at NIRL shall take precedence.
6.3	The Tenderer shall ensure the officer must be citizen of Kebawah Duli Yang Maha Mulia Paduka Seri Baginda Sultan dan Yang Di-Pertuan Negara Brunei Darussalam.
6.4	The Tenderer shall ensure that the officer is registered with the Allied Health Professional (AHP) Council of Brunei Darussalam, under the supervision of the HOS NIRL.
6.5	The Tenderer shall ensure that the officer must be between 20 and 40 years of age at the commencement of employment (provided with medical fitness report).
6.6	The Tenderer shall ensure that selected officer must possess a minimum of Bachelor of Science degree or an equivalent qualification.
6.7	The Tenderer shall ensure that the officer must be able to write and communicate effectively in Malay and English.
6.8	The Tenderer shall ensure that the officer is subject to further security assessment and must be free from any criminal record before employment.
6.9	The Tenderer shall ensure that selected officer has undergone medical screening and deemed medically fit to perform the duties. The Tenderer is required to provide a copy of the report to the Department. All costs incurred for medical screening shall be borne by the Tenderer.
6.10	The Tenderer shall ensure that selected personnel receives the appropriate vaccination, particularly against Hepatitis B, before being deployed to NIRL.
6.11	Removal and Replacement
6.11.1	The Department reserves the right to remove or request for replacement for any of the officer employed by the Tenderer from any of the premises of placement, who in the opinion of the Department has misbehaved or is incompetent or negligent in the performance of his/her duties.
6.11.2	The Tenderer shall ensure that any officer who resign or removed are promptly replaced with suitably qualified and competent individuals.
6.11.3	Such replacement must be approved by the Department prior to the deployment.
6.12	Wages and Welfare
6.12.1	The Tenderer is responsible for the wages, insurance (workmen compensation and medical insurance), medical and welfare of his personnel in accordance with the requirements of the Labour Department, Brunei Darussalam.
6.12.2	The Tenderer shall take out, at its own expense, with an insurance approved in writing by the Department a policy or policies each specifically endorsed to provide indemnity to the Tenderer and to the Department against any liabilities arising out of claims by any personnel for payment of compensation under the Workmen's Compensation Act (Cap 74 of the Laws of Brunei).
7.0	ENVIRONMENTAL AND INFRASTRUCTURE REQUIREMENTS
7.1	The system shall occupy space not more than the present system in the laboratory. If any renovation (electrical and/or environmental) is required, costs shall be borne by Vendor.
7.2	Should any renovation is required, Vendor shall comply with the Ministry's procedure for infection control risk assessment (ICRA), implementation and monitoring as set out in the document titled Construction and/or Renovation, Maintenance, Repair and Demolition in the Health Care Setting.
7.3	Power and water requirements: No or low water consumption. If water is required, state how much and what purity, with provision of water purification system included. Please provide specification for power requirement. All costs for installing electrical and water

NO.	SPECIFICATIONS AND REQUIREMENTS
	requirements shall be borne by the Vendor. All the electrical wires shall be covered with PVC trunk properly for safety precautions.
7.4	Electrical Safety – Vendor shall test for and maintain the electrical safety of all equipment and accessory devices installed throughout their usage period. This include conducting electrical safety testing upon installation & during preventive maintenance (at least every six (6) months) using calibrated device. Electrical safety testing report shall be submitted to the laboratory for acceptance.
7.5	Temperature and humidity requirement: preferably 22 – 28 oC and up to 80% relative humidity.
7.6	Floor area and drainage requirements: preferably adaptable to present facilities.
7.7	Heat and noise generation: preferably less than 7,000 BTU per unit and ≤ 65 dBA at the front of the unit while at full operation.
7.8	Low generation of hazardous chemical or biological waste.
7.9	If biological liquid waste is generated, the supplier shall provide the following for suitable waste containers; Two waste containers shall be capped, have an inlet and outlet, easy to handle and do not hold more than 15L of liquid waste When the production of waste liquid is more than 15L/day, a direct waste pipe shall be installed. A pre-dilution container shall be provided with easy access to add disinfectant and dispose of waste liquid. A preventive pipe shall be installed to prevent overflowing liquid waste from the waste containers Proper guidelines to disinfect the liquid waste that is acceptable to ISO 15189 shall be provided
7.10	The successful vendor shall keep the area behind of the equipment tidy and clean at all times. All wires and cables shall be properly covered using PVC trunk, flexible wire and cable cover or equivalent that is acceptable to the laboratory.
8.0	LITERATURE
8.1	To supply one (1) pendrive or one (1) set of hard copy of the Operating Manual and Service Manual including circuit diagrams of the equipment shall be provided upon commissioning.
8.2	To supply the laboratory with one (1) set of Material Safety Data Sheet (MSDS)
8.3	To supply hardcopy of maintenance log with list of details of daily, weekly or scheduled maintenance
9.0	TRAINING
9.1	Training shall be provided, at no additional cost, as follows:
9.1.1	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.
9.1.2	Certificate of competence is to be issued to all trainees after completion of training.
9.2	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 per year 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.
9.3	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.
10.0	FINANCIAL AGREEMENT
10.1	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.
10.2	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.

NO.	SPECIFICATIONS AND REQUIREMENTS
10.3	Buffer stock of the test kit including reagents, consumables and accessories should be available at the local representative as contingency.
10.4	The equipment supplied should include reagents, consumables, calibrators, maintenance record sheet, maintenance cleaning kit and quality control for initially setting up of the instruments.
10.5	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.
10.6	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 vendor.
10.7	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: When the testing is no longer required or relevant i.e. test is obsolete, to the laboratory or department. When the item(s) set out in this tender is/are no longer required by the laboratory or the Department. 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 (Lembaga Tawaran Kecil).
11.0	DELIVERY PERIOD: Preferably 4 – 8 weeks and no later than 12 weeks after issue of Purchase Order
12.0	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).

* 6 months validity required for <\$50K or 12 months for >\$50K

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	Preferably 4-8 weeks and no longer than 12 weeks		
Lab/Section/Unit	National Immunology Reference Laboratory		
Lab/Section/Unit Ref No.:	DLS/PU/NIRL/2026/06		
Person to Contact	Name : Saifuddin Haji Bagol		
	E-mail : Saifuddin.bagol@moh.gov.bn		
	Tel. No. : 2242424 ext. 6351	Fax No. : 2220869	
FOR ADMINISTRATION USE ONLY			
PPM/PROC Ref. No.	PPM/PROC/2026/>50K/017(NIRL)		
Advertisement Ref. No.		Date :	

SECTION 3
FORMS TO BE USED

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- SCHEDULE 1 - TENDER FORM**
- SCHEDULE 2 - INFORMATION SUMMARY**
- SCHEDULE 3 - SUB-CONTRACTS**
- SCHEDULE 4 - COMPANY BACKGROUND**
- SCHEDULE 5 - REFERENCES**
- SCHEDULE 6 - SUBMISSION OF SAMPLE**
- SCHEDULE 7 - LETTER OF DECLARATION**

SCHEDULE 1

TENDER FORM

To:

TENDER REFERENCE NO: KK/174/2026/LAB(TC)

INVITATION TO TENDER

**TO SUPPLY AND DELIVER FLOW CYTOMETER REAGENTS WITH EQUIPMENT RENTAL FOR NATIONAL IMMUNOLOGY REFERENCE
LABORATORY (NIRL), DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF FIVE (5) YEARS USAGE**

TENDER OF (*name of tenderer*) _____

Company/Business Registration No _____

Tender Closing Date _____

DELIVERY PERIOD AFTER PO ISSUED	
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1.0 SUPPLY OF REAGENTS

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

TABLE 1: SUMMARY OF UNIT PRICE OF REAGENT KIT
(To be completed by Vendor for submission)

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\$)
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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\$)
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4	BD FACS Flow Sheath Fluid 20L	20L/Bottle	6 bottles						
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***Cost per test should include the required kit, control, calibrator, accessories/consumables and all other costs incurred in this contract to run the test.**

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
2.0	PROVISION OF EQUIPMENT	
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3.1.2	System shall be: ▪ User-friendly and easy to operate with pre-programmable startup and automated shutdown. ▪ Easy to clean and maintain ▪ Benchtop model ▪ Suitable for IVD use	
3.2	Optical and Detection Specifications	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
3.2.1	System must be equipped with 3 lasers with wavelengths of 488nm, 405nm, 640nm	
3.2.2	System must have minimum of 12 Fluorescence Channels	
3.2.3	Beam Spot Size: 9 μm $\times$ 63 μm	
3.2.4	System must be capable of resolving 0.2 μm beads from noise	
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3.3.1	Vacuum-driven fluidics	
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3.4	Loader and Sampling	
3.4.1	System is equipped with a loader supporting: 12x75mm tubes and multiple plate formats	
3.4.2	Loader features: ▪ Camera for rack and tube presence detection ▪ Orbital shaking for mixing/vortexing	
3.4.3	High Throughput: System must be capable of processing 40 tubes in ≤ 1 hour	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
3.4.4	Sampling Options includes manual single-tube loading (compatible with 2 mL, 15 mL, and 50 mL tubes)	
3.4.5	Sample Carryover: $\leq 0.10\%$	
3.4.6	System allows automated walkaway operation with predefined cleaning and shutdown	
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NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
3.5.7	Assay portability, enabling consistent measurement of antibody panel combinations across multiple instruments	
3.6	IT SPECIFICATIONS	
3.6.1	1. Processor and monitor: Intel core i9 or higher	
3.6.2	1. Operating System: Win 11 or better	
3.6.3	Memory (RAM): at least 16GB	
3.6.4	Hard disk: at least 1TB SSD	
3.6.5	Coloured Printer must be provided for printing of results and replacement of ink cartridges when necessary	
3.6.6	Latest anti-virus and anti-malware software	
3.6.7	Licensed Software compatible with offer System	
4.0	TECHNICAL SPECIFICATIONS	
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4.2	Dimensions of system shall not exceed 110 cm × 60 cm × 60 cm (W × D × H)	
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4.4	System shall be able to be surface disinfected without internal component damage or discolouration with diluted bleach solutions, alcohol wipes or equivalence.	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
4.5	Power and water requirements: No or low water consumption. If water is required, state how much and what purity, with provision of water purification system included. Please provide specification for power requirement. All costs for installing electrical and water requirements shall be borne by the Vendor. All the electrical wires shall be covered with PVC trunk properly for safety precautions.	
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5.0	SERVICE AND AFTER SALES SUPPORT	
5.1	All reagent test kits / consumables supplied throughout this tender shall have a minimum expiry date of six (6) months on delivery. Should the reagent or consumable be urgently needed, provision of a reagent test kit or consumable with expiry date of less than six (6) should be first agreed by the User of the particular laboratory before delivery is made.	
5.2	Letter of Undertaking (LOU) shall be produced upon each delivery of test kit or consumable with expiry date of less than six (6) months and vendor shall declare in the LOU that unused, unopened, expired kits will be replaced accordingly. For items which are known to have short expiry date such as those containing red blood cells, list down all such items and vendor shall declare in this tender submission of such items and shall be exempted from submitting LOU upon delivery.	
5.3	The Tenderer shall provide details of the arrangement for 24-hour service support. This should include the number of engineers and application specialists, their qualification/training with the system, response time during office hours, after office hours, weekdays, weekends and public holidays.	
5.4	The Tenderer shall be responsible for the preventive maintenance and breakdown maintenance of the equipment. Any breakdown or error arises shall be quickly attended to within a day. Daily maintenance shall be performed by the operators. Any other maintenance, inclusive of Weekly, Quarterly, and Annually, is the responsibility of the tenderer	
5.5	i. All spare parts shall be supplied by the Tenderer if any replacement is required during the preventive and breakdown maintenance.	
5.6	Tenderer should provide a contingency plan for when there is an equipment breakdown to ensure no interruption of tests.	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
5.7	Staggered delivery every 3 months period directly to the User.	
5.8	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: ▪ Tampered or damaged box ▪ Leakage upon delivery ▪ Items stored pre-delivery not in accordance to manufacturer's instructions ▪ Expiry date not meeting requirement	
5.9	User shall have the rights to return any items, and to be replaced at no extra cost, if found not meeting the acceptance criteria upon opening a pack such as, but not limited to, the following: ▪ Tampered or damaged packaging ▪ Evident of leakage or damaged products ▪ Expired products that are evidently less than the requirement mentioned in para 4.1 calculated from delivery date ▪ Leakage upon delivery	
5.10	Vendor shall submit samples of the offered items directly to the Users no later than 7 days after the Closing Date of this advertisement or as required by the Users.	
5.11	A copy of service report must be submitted to the laboratory whenever service work is done on the instrument.	
5.12	Vendor shall aid the user with verification of a comprehensive methods performance for all of the tests listed above including, but not limited to, precision, accuracy, linearity, sensitivity, specificity, carryover, limit of detection or as required by the User depending on the nature of testing. Report of the verification study shall be submitted to the User for approval by the Director of Laboratory Services.	
5.13	Reagents for verification of a comprehensive methods performance for all of the tests listed above including, but not limited to, precision, accuracy, linearity, sensitivity, specificity, carryover, limit of detection or as required by the User depending on the nature of testing shall be borne by the successful tenderer.	
5.14	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).	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
6.0	PROVISION OF PERSONNEL	
6.1	The successful tenderer is required to provide one (1) Scientific Officer, or Medical Laboratory Technologist, or equivalent, to be stationed at the National Immunology Reference Laboratory (NIRL), Department of Laboratory Services (DLS), for the five-year contract duration. The officer will support daily operations and maintain quality assurance standards during the following working hours: Standard Hours: Monday–Thursday and Saturday (07:45–12:15 and 13:30–16:30) Ramadan Hours: 08:00–14:00	
6.2	The officer shall have the following duties and responsibilities, but are not limited to,: 1. Manage inventory of reagents and consumables and to deliver when required. 2. Perform the reagent lot-to-lot verification for every new delivery and new lot where applicable. 3. Perform laboratory testing on blood donor samples and External Quality Assurance program. 4. Retrieve quality data or statistic on monthly basis and submit the report to the Head of NIRL for verification. 5. Train and evaluate competency of the staffs as requested by HOS NIRL 6. Review daily activity and report to HOS NIRL if issue or outlier is identified. 7. Report and document any instrument breakdown and ensure any issues are corrected immediately and ensure downtime of instrument are minimal so as not to disrupt downstream processes and services. The Tenderer may provide additional duties and responsibilities suitable with the officer's post and qualifications. However, his/her duties and responsibilities at NIRL shall take precedence.	
6.3	The Tenderer shall ensure the officer must be citizen of Kebawah Duli Yang Maha Mulia Paduka Seri Baginda Sultan dan Yang Di-Pertuan Negara Brunei Darussalam.	
6.4	The Tenderer shall ensure that the officer is registered with the Allied Health Professional (AHP) Council of Brunei Darussalam, under the supervision of the HOS NIRL.	
6.5	The Tenderer shall ensure that the officer must be between 20 and 40 years of age at the commencement of employment (provided with medical fitness report).	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
6.6	The Tenderer shall ensure that selected officer must possess a minimum of Bachelor of Science degree or an equivalent qualification.	
6.7	The Tenderer shall ensure that the officer must be able to write and communicate effectively in Malay and English.	
6.8	The Tenderer shall ensure that the officer is subject to further security assessment and must be free from any criminal record before employment.	
6.9	The Tenderer shall ensure that selected officer has undergone medical screening and deemed medically fit to perform the duties. The Tenderer is required to provide a copy of the report to the Department. All costs incurred for medical screening shall be borne by the Tenderer.	
6.10	The Tenderer shall ensure that selected personnel receives the appropriate vaccination, particularly against Hepatitis B, before being deployed to NIRL.	
6.11	Removal and Replacement	
6.11.1	The Department reserves the right to remove or request for replacement for any of the officer employed by the Tenderer from any of the premises of placement, who in the opinion of the Department has misbehaved or is incompetent or negligent in the performance of his/her duties.	
6.11.2	The Tenderer shall ensure that any officer who resign or removed are promptly replaced with suitably qualified and competent individuals.	
6.11.3	Such replacement must be approved by the Department prior to the deployment.	
6.12	Wages and Welfare	
6.12.1	The Tenderer is responsible for the wages, insurance (workmen compensation and medical insurance), medical and welfare of his personnel in accordance with the requirements of the Labour Department, Brunei Darussalam.	
6.12.2	The Tenderer shall take out, at its own expense, with an insurance approved in writing by the Department a policy or policies each specifically endorsed to provide indemnity to the Tenderer and to the Department against any liabilities arising out of claims by any personnel for payment of compensation under the Workmen's Compensation Act (Cap 74 of the Laws of Brunei).	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
7.0	ENVIRONMENTAL AND INFRASTRUCTURE REQUIREMENTS	
7.1	The system shall occupy space not more than the present system in the laboratory. If any renovation (electrical and/or environmental) is required, costs shall be borne by Vendor.	
7.2	Should any renovation is required, Vendor shall comply with the Ministry's procedure for infection control risk assessment (ICRA), implementation and monitoring as set out in the document titled Construction and/or Renovation, Maintenance, Repair and Demolition in the Health Care Setting.	
7.3	Power and water requirements: No or low water consumption. If water is required, state how much and what purity, with provision of water purification system included. Please provide specification for power requirement. All costs for installing electrical and water requirements shall be borne by the Vendor. All the electrical wires shall be covered with PVC trunk properly for safety precautions.	
7.4	Electrical Safety – Vendor shall test for and maintain the electrical safety of all equipment and accessory devices installed throughout their usage period. This include conducting electrical safety testing upon installation & during preventive maintenance (at least every six (6) months) using calibrated device. Electrical safety testing report shall be submitted to the laboratory for acceptance.	
7.5	Temperature and humidity requirement: preferably 22 – 28 oC and up to 80% relative humidity.	
7.6	Floor area and drainage requirements: preferably adaptable to present facilities.	
7.7	Heat and noise generation: preferably less than 7,000 BTU per unit and ≤ 65 dBA at the front of the unit while at full operation.	
7.8	Low generation of hazardous chemical or biological waste.	
7.9	If biological liquid waste is generated, the supplier shall provide the following for suitable waste containers; Two waste containers shall be capped, have an inlet and outlet, easy to handle and do not hold more than 15L of liquid waste When the production of waste liquid is more than 15L/day, a direct waste pipe shall be installed. A pre-dilution container shall be provided with easy access to add	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
	disinfectant and dispose of waste liquid. A preventive pipe shall be installed to prevent overflowing liquid waste from the waste containers Proper guidelines to disinfect the liquid waste that is acceptable to ISO 15189 shall be provided	
7.10	The successful vendor shall keep the area behind of the equipment tidy and clean at all times. All wires and cables shall be properly covered using PVC trunk, flexible wire and cable cover or equivalent that is acceptable to the laboratory.	
8.0	LITERATURE	
8.1	To supply one (1) pendrive or one (1) set of hard copy of the Operating Manual and Service Manual including circuit diagrams of the equipment shall be provided upon commissioning.	
8.2	To supply the laboratory with one (1) set of Material Safety Data Sheet (MSDS)	
8.3	To supply hardcopy of maintenance log with list of details of daily, weekly or scheduled maintenance	
9.0	TRAINING	
9.1	Training shall be provided, at no additional cost, as follows:	
9.1.1	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.	
9.1.2	Certificate of competence is to be issued to all trainees after completion of training.	
9.2	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 per year 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.	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
9.3	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.	
10.0	FINANCIAL AGREEMENT	
10.1	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.	
10.2	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.	
10.3	Buffer stock of the test kit including reagents, consumables and accessories should be available at the local representative as contingency.	
10.4	The equipment supplied should include reagents, consumables, calibrators, maintenance record sheet, maintenance cleaning kit and quality control for initially setting up of the instruments.	
10.5	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.	
10.6	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 vendor.	
10.7	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: When the testing is no longer required or relevant i.e. test is obsolete, to the laboratory or department. When the item(s) set out in this tender is/are no longer required by the laboratory or the Department. 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 (Lembaga Tawaran Kecil).	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
11.0	DELIVERY PERIOD: Preferably 4 – 8 weeks and no later than 12 weeks after issue of Purchase Order	(Yes / No) (If No, please specify)
12.0	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).	

* 6 months validity required for <\$50K or 12 months for >\$50K

NO.	GENERAL SPECIFICATIONS	VENDOR'S OFFER
A	Model & Brand	
B	Country of Origin	
C	Total Price Per Test (CIF): B\$	
D	Price Ranking:	(leave blank)
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

- 1.1 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.
- 1.2 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/174/2026/LAB(TC)

INVITATION TO TENDER
TO SUPPLY AND DELIVER FLOW CYTOMETER REAGENTS WITH EQUIPMENT RENTAL FOR
NATIONAL IMMUNOLOGY REFERENCE LABORATORY (NIRL), 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 X)	OFFERED/ NOT OFFERED (indicate as appropriate)
1	BD CS&T Beads 150 Tests IVD			
2	BD FC Beads 7-Colour Kit			
3	BD FC Beads 5-Colour Kit			
4	BD FACS Flow Sheath Fluid 20L			
5	BD FACS Clean Solution 5L			
6	Multitest CD3/CD8/CD45/CD4 50 Tests IVD			
7	Trucount Absolute Counting Tubes US 50 Tests IVD			

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 : _____