

Rujukan Kami: **(112) MOH/HQ/P/IKLAN-SH/2025**

LAMPIRAN 3

BIL	Quotation Reference	Description	Advertisement Date	Closing Date (Not Later Than 09.00AM)	Quotation Fee	Requesting Department
3	DSS/FS/PROC/B50K/2025-2026/003 (FOR)	TO SUPPLY AND DELIVER MULTI DISPENSER PIPETTE AND TIPS FOR FORENSIC BIOLOGY LABORATORY, DEPARTMENT OF SCIENTIFIC SERVICES, MINISTRY OF HEALTH (CLUSTERING).	09/08/2025	23/08/2025	\$5.00	JABATAN PERKHIDMATAN SAINTIFIK, KEMENTERIAN KESIHATAN

EQUIPMENT PURCHASE SPECIFICATION

TITLE OF TENDER/QUOTATION	TO SUPPLY AND DELIVER MULTI DISPENSER PIPETTE AND TIPS FOR FORENSIC BIOLOGY LABORATORY , DEPARTMENT OF SCIENTIFIC SERVICES, MINISTRY OF HEALTH. (CLUSTERING)
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TENDER REFERENCE NO.	DSS/FS/PROC/B50K/2025-2026/003(FOR)
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NAME OF ITEM	MULTI DISPENSER PIPETTE AND TIPS
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NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	VENDOR'S OFFER			
		COMPLY (Please tick v) (Provide evidence for compliance(s))		ITEM DESCRIPTIONS AND SPECIFICATIONS	PRICE (\$)
		YES	NO		
1.0	GENERAL				
1.1	Tenderer is to supply and provide the following: <ul style="list-style-type: none"> Two (2) units of multi dispenser pipettes Combitips advanced pipette tips (1 mL and 2.5 mL) Warranty, preventive maintenance and calibration 				
2.0	MULTI DISPENSER PIPETTE				
2.1	Number of channels : 1-Channel				
2.2	Pipetting Type: Positive displacement system				
2.3	High speed dispensing with motorised piston				

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2.4	Automatic pipette tips recognition				
2.5	One button tip ejector: for one-handed operation and contact-free tips advance ejection				
2.6	Volume range from 1 µL to 50 ml				
2.7	Selectable dispensing speed				
2.8	Operating mode: electronic				
2.9	Illuminated display				
2.10	Rechargeable lithium-ion battery				
2.11	Charger stand with charging Cable. All electrical and electronic components in the system must be able to utilise mains power supply of 220 – 240 V AC, 50 – 60 Hz. Otherwise, tenderer to include additional items or works required to ensure successful operation.				
3.0	COMBITIPS ADVANCED PIPETTE TIPS (1.0 mL)				
3.1	Forensic DNA Grade				
3.2	1 mL, Yellow-coded, Colourless tips				
3.3	Volume range: 10 µL to 1000 µL				
3.4	200 pcs, individually blister wrapped				

3.5	<p>Performance data used with multi dispenser pipette:</p> <p>Random measurement error:</p> <ul style="list-style-type: none"> • 10 µL: ± 7%; ± 0.7 µL • 100 µL: ± 0.55%; ± 0.55 µL • 500 µL: ± 0.3%; ± 1.5 µL • 1000 µL: ± 0.2%; ± 2 µL <p>Systemic measurement error:</p> <ul style="list-style-type: none"> • 10 µL: ± 3.5%; ± 0.35 µL • 100 µL: ± 0.9%; ± 0.9 µL • 500 µL: ± 0.6%; ± 3 µL • 1000 µL: ± 0.6%; ± 6 µL 				
4.0	COMBITIPS ADVANCED PIPETTE TIPS (2.5 mL)				
4.1	Forensic DNA Grade				
4.2	2.5 mL, Green-coded, Colourless tips				
4.3	Volume range: 25 µL – 2500 µL				
4.4	400 pcs, individually blister wrapped				
4.5	<p>Performance data used with the multi dispenser pipette:</p> <p>Random measurement error:</p> <ul style="list-style-type: none"> • 25 µL: ± 3.5%; ± 0.875 µL • 250 µL: ± 0.45%; ± 1.125 µL • 1250 µL: ± 0.3%; ± 3.75 µL • 2500 µL: ± 0.15%; ± 3.75 µL <p>Systemic measurement error:</p> <ul style="list-style-type: none"> • 25 µL: ± 2%; ± 0.5 µL • 250 µL: ± 0.8%; ± 2 µL 				

	<ul style="list-style-type: none"> 1250 µL: $\pm 0.5\%$; ± 6.25 µL 2500 µL: $\pm 0.5\%$; ± 12.5 µL 				
5.0	<u>WARRANTY, PREVENTIVE MAINTENANCE AND CALIBRATION</u>				
5.1	A minimum of one (1) year warranty for manufacturer's defect on the hardware, software and all cost of repairs and/or replacements should be included.				
5.2	After-sales services must be provided for the product after one (1) year.				
5.3	<p>One-off preventive maintenance to be carried out just before or soon after the one-year warranty period. Scope of work to follow manufacturer's manual / recommendation specific for the equipment offered, which include:</p> <ul style="list-style-type: none"> Supply, delivery and installation of preventive maintenance kits and/or consumables Software update (to obtain prior authorization from user and BME) Inspection cleaning alignment any other related preventive maintenance works required 				
5.4	<p>Pipette to be calibrated by ISO 17025:2017 accredited Calibration Service Centre prior to delivery and one (1) year after delivery.</p> <p>Calibration will be done using Combitips Advanced 1 mL and 2.5 mL. Parameters for the calibration includes calibration points as below:</p> <ul style="list-style-type: none"> 10 µL 				

	<ul style="list-style-type: none"> • 15 µL • 18 µL • 25 µL • 10% of nominal (100 µL or 250 µL) • 50% of nominal (500 µL or 1250 µL) • Nominal (1 mL or 2.5 mL) 				
6.0	<u>DELIVERY</u> Items offered MUST be delivered within _____ from date of approval. (Vendor to indicate the delivery period.)				
7.0	<u>PRICE VALIDITY</u> Price validity MUST NOT BE LESS THAN 90 days or three (3) months.				
					<u>TOTAL PRICE (\$)</u>

No.	GENERAL SPECIFICATIONS*	VENDOR'S OFFER
A	Total Price: B\$	
B	Delivery Period:	
C	Model & Brand:	
D	Country of Origin:	
E	Where marketed:	
F	Year of Manufacture:	
G	Warranty:	
H	Power Requirement:	
I	Battery Back-up:	
J	International Safety Standard:	
K	Technical Support:	
L	Equipment Whole Life Support:	
M	Dimensions (WxHxD) cm:	
N	User Manuals:	

No.	GENERAL SPECIFICATIONS*	VENDOR'S OFFER
O	Service Manuals:	
P	Spare-parts & Consumables Listing:	
Q	Technical Training On-Site:	
R	Site Requirements:	

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

Bahagian/Unit/Makmal :	Forensic Biology Laboratory		
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