

Purchase Order

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier:	CAS COLOR APPLICATION SPECIALIST	P.O. No.:	GIAE-PO-2024-01-0017 (EBD)
Address:		Date:	January 24, 2024
TIN:		Mode of Procurement:	PB

Gentlemen: Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery: NATIONAL METROLOGY DIVISION
 Delivery Term: 120 CD
 Date of Delivery: _____ Payment Term: _____

Stock/ Property No.	Unit	Particulars	Quantity	Unit Cost	Amount
------------------------	------	-------------	----------	-----------	--------

SUPPLY, FABRICATION, INSTALLATION, AND DELIVERY OF ONE (1) UNIT PROTEIN PURIFICATION SYSTEM 7,998,000.00

Item No.	Unit/ Qty.	Description
----------	------------	-------------

1	LOT	Protein Purification System
---	-----	-----------------------------

Brand: CYTIVA
 Model: AKTA Pure 150L
 Chromatography System
 Fraction Collector F9-R
 UNICORN™ 7 WrkStn pure-BP-exp
 Workstation for AKTA pure™, AKTA pilot™, AKTA process™,
 ReadyToProcess WAVE™ 25
 UNICORN™ 7 Evaluation Classic
 Outlet Valve Kit V9H-0s
 Inlet Valve Kit V9H-IAB
 Column Valve Kit V9H-C
 Loop valve kit (V9H-L)
 pH valve kit (V9H-pH)
 Superloop™ 50 mL
 Column Holder
 PH Probe
 Benchkote sheets for AKTA pure -10/pk

Specifications:

Application supported: Affinity chromatography, size exclusion chromatography (SEC, also known as gel filtration), ion exchange chromatography, hydrophobic interaction chromatography and reversed phase chromatography (RPC). For RPC, runs use only Frac F9-R

Buffer selection: upgradeable up to 14 inlets

Multiple sample valve : Upgradeable up to 5 inlets and 1 buffer inlet
Minimum Buffer Reservoir: 2

Minimum Pressure Monitor Sensors: 2 Pressure monitor
Monitor Range: 0 -20 Mpa

Pressure monitor Accuracy: ±0.02MPa or ± 2% whichever is greater

Minimum Air Sensors: 4 (up to 7)

Minimum Injection Valve Ports : 4 (up to 12)

System Pump:

Flow rate: 0.01 to 150ml/min

Pump type: Piston Pump, Metering type

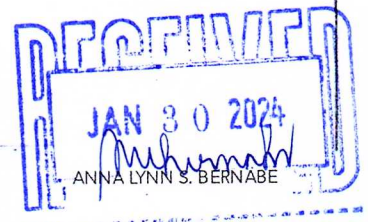
Maximum Operating Pressure: 50bar (0 to 50 MPa)

Viscosity : 0.35 to 10.0 cP

Maximum column packing flow rate: 300ml/min

Wetted and Loop materials:

Polyetheretherketone (PEEK)



Purchase Order
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Appendix 61

Supplier: CAS COLOR APPLICATION SPECIALIST	P.O. No.:	GIAE-PO-2024-01-0017 (EBD)
Address:	Date:	January 24, 2024
TIN:	Mode of Procurement: PB	

Gentlemen: Please furnish this Office the following articles subject to the terms and conditions contained herein

Place of Delivery: NATIONAL METROLOGY DIVISION	Delivery Term: 120 CD
Date of Delivery:	Payment Term:

Stock/ Property No.	Unit	Particulars	Quantity	Unit Cost	Amount
------------------------	------	-------------	----------	-----------	--------

Fluorinated Ethylene Propylene (FEP)
 Polytetrafluoroethylene (PTFE)
 PolyChloroTriFluoro Ethylene (PCTFE)

pH Detection:
pH monitoring range: 0 to 14
pH Accuracy: ±0.1pH unit
UV Detection:
Wavelength: fixed wavelength (280 nm)
Flow Cell path length: Standard optical path length 2mm, illuminated cell volume 2 ul. (Options: Optical path length 5 mm)
Minimum Lamp Operating Time: > 10,000 hours.
Tubing i.d.: 1.0mm /o.d. 1/16"
Fingertight connectors: 1/16"
Tubing connectors:
 Tubing ID : 2.9mm
 Tubing o.d.: 3/16", Blue Ferrule
Sample Loop:
 Superloop, 1/16" fittings (AKTA Design), 50ml
Loop tubing: I.D. = 0.75mm, o.d. 1/16"
Dimension: 335 x 30mm
Fraction Collector
Volume Capacity: 175 vessels for 3 ml,
 85 vessels for 15ml and
 40 vessels for 50ml
Fraction volume : 50ml
Weight : 15kg
Delay Volume: 473 ul
Dimension: (WxHxD)
Protein Purification System
 Width : 535mm
 Height : 630mm
 Depth : 470mm
Fraction Collector:
 Width : 320mm
 Height : 250mm
 Depth : 400mm
Workstation:
 Width : 400-500 mm
 Height: 500-600 (comply)
 Depth : 700-800mm (comply)
Power Supply : 100 to 240 V, 50 to 60 Hz (comply)
Enclosure Protection Class: IP 21
Operating Temperature range: 3°C to 40°C
Relative Humidity : 20% to 40%, Non-condensing
Safety certifications: CE/ETL/UKCA/EAC/KC/RCM
 Software: AKTA PURE UNICORN 7 Workstation Software
 Compatible to the Workstation
 Capable of creating user access
 Capable of modifying protocols
 With free upgrades/update of software
 Workstation: HP EliteDesk800 G6 Desktop Mini

Intel® Core™ i5 10500T with Intel® UHD Graphics 630 (2.3 GHz base frequency, up to 3.8 GHz with Intel® Turbo Boost Technology, 1212 MB L3 cache, 6 cores) supports Intel® vPro® Technology

Intel® Q470 16GB (2x8GB) DDR4 2666 SODIMM Memory 256GB M.2 2280 PCIe NVMe Solid State Drive
 1 TB 7200 RPM HDD"

Audio: Integrated audio and powered or built-in stereo speakers, headphone/speaker jack, line-in and line-out mic jacks

RECEIVED
JAN 30 2024
 ANNA LYNN S. BERNABE
Muhannah

Purchase Order
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Appendix 61

Supplier: CAS COLOR APPLICATION SPECIALIST	P.O. No: GIAE-PO-2024-01-0017 (EBD)
Address:	Date: January 24, 2024
TIN:	Mode of Procurement: PS

Gentlemen: Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery: NATIONAL METROLOGY DIVISION	Delivery Term: 120 CD
Date of Delivery:	Payment Term:


Stock/Property No	Unit	Particulars	Quantity	Unit Cost	Amount
		<p>Network: Integrated, 802.11ac Ethernet or better Wireless Networking Operating System: Windows 11 PRO (64 bit) Power: 220-240 VAC, 60 Hz with Minimum 4 USB-A ports, Mouse and mouse pad, 101 keys Keyboard, and DVD±RW drive</p> <p>See attached Warranty Certificate</p> <p>Inclusions: Standard accessories and kits for operational use 1 each - Outlet Valve Kit V9H-OS 29090694 1 each - Inlet Valve Kit V9H-IAB 29089652 1 each - Column Valve Kit V9H-C 29050951 1 each - Loop valve kit (V9H-L) 29090689 1 each - pH valve kit (V9H-pH) 29051684 1 each - Superloop™ 50 mL 18111382 1 each - Column Holder 28956282 1 each - PH Probe 293871 With Calibration/Validation certificate upon installation witness by end user Hardcopy and softcopy of Manual in English available upon delivery and installation UPS 3KVa with 10-30 minutes back-up. Brand: SECURE, Model: UPS-3000VA Prices inclusive of: VAT, delivery, installation IQ/OQ, local and after sales support, on-site equipment demo, User training and training certificate. Warranty: See attached warranty certificate See attached Warranty Certificate Two (2) years semi-annual preventive maintenance and services with calibration certificate Delivery: See attached schedule of Requirements/Production & Delivery Schedule Maximum of 120 calendar days upon receipt of Purchase Order, see attached production and delivery schedule and schedule of requirements.</p>			
				Less: VAT	357,053.57
				EWT	71,410.71
				TOTAL:	7,569,535.72
					7,998,000.00

END USER: **KIM CHRISTOPHER C. AGANDA**


(Total Amount in Words): Seven Million Five Hundred Sixty Nine Thousand Five Hundred Thirty Five Pesos & 72/100

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s.

Conforme:


ANNA LYNN S. BERNABE
Signature over Printed Name of Supplier
January 30, 2024
Date

Very truly yours,


DR. ANNABELLE V. BRIONES
Signature over Printed Name of Authorized Official
Director
Designation

Fund Cluster:

VIP PROJECT: MYCOBACTERIUM TUBERCULOSIS EA12-MANILA STRAIN DERIVED IMMUNOGENIC PROTEIN SUBUNIT FOR TB VACCINE DEVELOPMENT (CAPITAL OUTLAY)

ORS/BURS No.:

YF002024010155

Date:


PATRICIA ASHLEY M. MENDOZA
Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit Accountant II

Date of the ORS/BURS:

Jan. 29, 2024

Amount:

7,998,000.00

RAICG 1/25/24