

**PROCUREMENT OF CLINICAL CHEMISTRY WITH TIE-UP MACHINE
IB NO. 2023-03-10 (08)**

LINE ITEM NO.	DESCRIPTION	QTY	UNIT OF MEASURE	UNIT COST	TOTAL COST
LOT 1	CLINICAL CHEMISTRY WITH TIE UP MACHINE				
	REAGENTS				
1	Lipase	2,500.00	test	150.00	375,000.00
2	Total Bilirubin	4,000.00	test	52.00	208,000.00
3	Total Protein	2,500.00	test	42.00	105,000.00
4	Total Cholesterol	6,000.00	test	42.00	252,000.00
5	HDL Cholesterol	6,000.00	test	52.00	312,000.00
6	Blood Urea Nitrogen	6,000.00	test	20.00	120,000.00
7	SGOT / ASPARTATE AMINOTRANSFERASE (AST)	6,000.00	test	30.00	180,000.00
8	SGPT / ALAMINE AMINO TRANSFEREASE (ALT)	6,000.00	test	30.00	180,000.00
9	PHOSPHOROUS	3,500.00	test	30.00	105,000.00
10	GLUCOSE	6,000.00	test	20.00	120,000.00
11	TRIGLYCERIDES	6,000.00	test	42.00	252,000.00
12	ALKALINE PHOSPHATASE	3,000.00	test	20.00	60,000.00
13	LACTATE DEHYDROGENASE (LDH)	3,000.00	test	52.00	156,000.00
14	AMYLASE	2,000.00	test	152.00	304,000.00
15	BLOOD URIC ACID	8,000.00	test	30.00	240,000.00
16	Creatinine	6,000.00	test	20.00	120,000.00
17	Albumin	3,000.00	test	30.00	90,000.00
18	Glucose Tolerance Test Beverage, 75 grams, flavor Orange	300.00	test	250.00	75,000.00
19	Direct Bilirubin	3,000.00	test	160.00	480,000.00
20	Magnesium	3,000.00	test	52.00	156,000.00
				GRAND TOTAL	3,890,000.00

Terms and Reference

The Winning bidder shall provide the following:

The bidder will deliver the reagent at least 2 years expiry from the date of delivery. A **back-up** of Fully Automated Blood Chemistry Analyzer using the same reagent to ensure continuous operation despite repairs or preventive maintenance.

The bidder shall provide the following:

1. Clinical Chemistry Analyzer, fully automated, brand new, latest model of the brand offered with the following features:

1.1 With Random Access for STAT requests

1.2 Reagents have On-board Stability

1.3 Have clot and bubble detection for samples and reagents

1.4 With auto dilution and auto rerun for panic results

1.5 Refrigerated Reagent Storage within the instrument

1.6 Capable of running Glycosylated hemoglobin.

1.7 Have sample interference measurement. Could test for criteria of hemolysis, Icteric, lipemic samples.

1.8 Has a maximum throughput of 600 to 1000 test/hour.

1.9 Capable of processing specimen directly from extraction tube without need of manually separating serum/plasma

1.10 With free set of Water System or must provide the water needed for the machine

1.11 Has On Board Maintenance Logs in Instrument

1.12 Equipped with programs for:

1.12.1 Daily Worklist (printable/printout for filing)

1.12.2 Daily Reagent Inventory Management System

1.12.3 Daily Calibration and Quality Control (printable/printout for filing)

1.12.4 Quality Control Chart (Levy-Jennings graph and Westgard rules)(printable and printout)

2. Integrated Electrolytes reagent and immunochemistry or its equivalent incorporated in the main unit of the Clinical Chemistry Analyzer.

3. Capable of performing all test listed above and is open to other programmable tests as the needed arises. Shall provide all the required reagents for the listed examination. This is inclusive of the following:

- a. Controls (low, normal, and high)
- b. Calibrators/Standards/ Cleaning Solutions
- c. Third party Internal Control once a month

TERMS OF REFERENCES

1. The Provider shall provide:

1.1 Work instruction and/ or operating manual (Soft and Hard Copy)

1.2 Material Safety Data Sheet

1.3 Training on how to properly operate the equipment and how to optimize results.

1.4 Technical support should be easily accessed

1.5 Yellow top tubes with gel separator 4ml / 240 trays good for 6 months (100pcs/tray) or 40 trays/month

1.6 Red top 0.5ml 15 trays good for 6 months. (100pcs/tray)

"1.7 A complete computer set and interface system for reproduction and digital storage of results. This should be connected with the Hospital Laboratory Information System Computer Set with continuous ink printer

Specification: Core Intel I5 to I7 8th Generation and Up
250 GB SSD, 500 GB – 1TB HDD, 8GB RAM "

1.8. A 24-placer centrifuge.

1.9 A 2-door 22cu.ft refrigerator with freezer for the storage of reagents, control and calibrator.

1.10 2020 - 2022 National External Quality Assurance Report by Lung Center of the Philippines as to quality of results from two (2) different **level 3** laboratories, using the machine.

1.11 **Twelve (12)** packs of yellow tips

2. Supplier must ensure that transfer of learning on the technicalities of their equipment is effectively done before leaving it to the end user.

3. Preventive maintenance visit by the engineer/product specialist be made twice a month or as the need arise. In case of breakdown of the main machine, it must be repaired or replaced with a new functioning one within 3 days of reported downtime.

4. Supplier must respond within 3 days to the needs of the end user particularly on the reagent for continuous operation of the laboratory services.

5. Must perform machine calibration every 6 months and provide Certificate of Calibration and Traceability.

6. The winning bidder must provide for free all of the consumables such as controls, calibrator and others needed for the operation of the machine.

7. LIS Connectivity ready; Machine must be connected to Caraga Regional Hospital Laboratory Information System. Supplier will shoulder any connectivity costs.

8. The expiry dates of reagents to be delivered must at least be 2 years from the date of delivery as specified in the acceptance report.

NOTE: IN CASE OF NONE DELIVERY OF REAGENTS (AND TROUBLE OF THE MACHINE) BUT WITH RECEIVED P.O THE SUPPLIER WILL SHOULDER THE PAYMENTS FOR SEND-OUT EXAMINATIONS. THE WINNING SUPPLIER MUST PRESENT A MOA WITH REFERRING LABORATORY FOR THIS PURPOSE.