



SERVICES OFFERED

As of March 2023

Analytical Instruments

INSTRUMENTS	MODEL	PRICE
Atomic Absorption Spectroscopy	Shimadzu AA-7000	<ul style="list-style-type: none"> Php 3,000.00 (5 calibration standard + 3 samples) Php 650.00 (per additional sample) <p><i>Available Lamps: Calcium (Ca), Chromium (Cr), Copper (Cu), Iron (Fe), Lead (Pb), Magnesium (Mg), Sodium (Na), and Zinc (Zn)</i></p> <p><i>*Standards are to be provided by the client.</i></p>
Fourier Transform Infrared Spectrometer	PerkinElmer Spectrum Two	<ul style="list-style-type: none"> Php 1,000.00 (per sample) <p><i>*Separate Professional Fee for interpretation of IR Spectra by a Licensed Chemist.</i></p>
Gas Chromatography with Flame Ionization Detector/Thermal Conductivity Detector	PerkinElmer Clarus 580	<ul style="list-style-type: none"> Php 4,000.00 (5 calibration standard + 3 sample injection with a maximum runtime of 30 minutes per injection) Php 700.00 (per additional sample injection with same maximum runtime) Php 100.00 (per additional 10 minutes runtime)
Microplate Reader	Biotech	<ul style="list-style-type: none"> Php 1,200.00 (5 calibration standard + 3 samples) Php 175.00 (per additional sample)
Ultraviolet-Visible Spectroscopy	PerkinElmer Lambda 365	<ul style="list-style-type: none"> Php 1,500.00 (5 calibration standard + 3 samples) Php 250.00 (per additional sample)

Equipment List

EQUIPMENT	MODEL	PRICE
Analytical Balance	<ul style="list-style-type: none"> Shimadzu AUX220 Sartorius BSA2245-CW Sartorius CP1245 Mettler Toledo AB104-S 	<ul style="list-style-type: none"> Php 500.00 (first hour) Php 100.00 (per succeeding hour)
Auto Clave	<ul style="list-style-type: none"> Vision Scientific VS-1221 	<ul style="list-style-type: none"> Php 500.00 (first hour) Php 300.00 (per succeeding hour)
Bomb Calorimeter	<ul style="list-style-type: none"> Parr 	<ul style="list-style-type: none"> Php 1,000.00 (1 standard + 3 samples) Php 250.00 (per additional sample)
Centrifuge	<ul style="list-style-type: none"> Beckon Dickinson Clay Adams Compact I Beckon Dickinson Clay Adams Compact II Clay Adams Safety Head 	<ul style="list-style-type: none"> Php 300.00 (per run and a maximum of 30 minutes per run)
Desiccator (Cabinet)	<ul style="list-style-type: none"> Eureka Auto Dry Box 	<ul style="list-style-type: none"> Only for students of Adamson University
Digital Barometer	<ul style="list-style-type: none"> VWR 	<ul style="list-style-type: none"> Php 150.00 (first hour) Php 50.00 (per succeeding hour)
Digital Viscometer	<ul style="list-style-type: none"> Biobase 	<ul style="list-style-type: none"> Php 500.00 (first hour) Php 100.00 (per succeeding hour)



ADAMSON UNIVERSITY
College of Science
Chemistry Laboratory
2nd Semester, SY 2022-2023



Dry Cabinet	<ul style="list-style-type: none"> Digi-Cab Professional DHC-100 	<ul style="list-style-type: none"> Only for Instrumentation Room Use
Drying Oven	<ul style="list-style-type: none"> Memmert 	<ul style="list-style-type: none"> Php 500.00 (first hour) Php 300.00 (per succeeding hour)
Five Place Magnetic Stirrer	<ul style="list-style-type: none"> IKA RT 5 	<ul style="list-style-type: none"> Php 300.00 (first hour) Php 100.00 (succeeding hour)
Fume Hood	<ul style="list-style-type: none"> AG-11 Labconco 	<ul style="list-style-type: none"> Php 300.00 (first hour) Php 100.00 (per succeeding hour)
Heating Mantle	<ul style="list-style-type: none"> WiseTherm 	<ul style="list-style-type: none"> Php 300.00 (first hour) Php 100.00 (per succeeding hour)
Hot Shaker	<ul style="list-style-type: none"> Bellco Glass Inc. 	<ul style="list-style-type: none"> Php 300.00 (first hour) Php 100.00 (per succeeding hour)
Hotplate/Hotplate with Magnetic Stirrer	<ul style="list-style-type: none"> Thermo Scientific Type 2200 D Lab MS-H340-S4 	<ul style="list-style-type: none"> Php 300.00 (first hour) Php 100.00 (per succeeding hour)
Hybridization Incubator	<ul style="list-style-type: none"> Robbins Scientific Model 400 	<ul style="list-style-type: none"> Php 300.00 (first hour) Php 100.00 (per succeeding hour)
Hydraulic Press	<ul style="list-style-type: none"> Specac 	<ul style="list-style-type: none"> Php 250.00 (first hour) Php 50.00 (per succeeding hour)
Laboratory Work Bench	<ul style="list-style-type: none"> NA 	<ul style="list-style-type: none"> Php 300.00 (first hour) Php 100.00 (per succeeding hour)
Melting Point Apparatus	<ul style="list-style-type: none"> Electrothermal 	<ul style="list-style-type: none"> Php 300.00 (first hour) Php 100.00 (per succeeding hour)
Micro Centrifuge Machine	<ul style="list-style-type: none"> NA 	<ul style="list-style-type: none"> Php 650 (per run and a maximum of 30 minutes per run)
Micropipettor	<ul style="list-style-type: none"> Multichannel Ependorf 	<ul style="list-style-type: none"> Php 300.00 (first hour) Php 100.00 (per succeeding hour)
	<ul style="list-style-type: none"> Multichannel BOECO Germany 	
	<ul style="list-style-type: none"> Multichannel Flow Titertek 	
	<ul style="list-style-type: none"> Single Channel 10 μL ThermoScientific 	
	<ul style="list-style-type: none"> Single Channel 10 μL Gilson 	
	<ul style="list-style-type: none"> Single Channel 20 μL Gilson 	
	<ul style="list-style-type: none"> Single Channel 50 μL Gilson 	
	<ul style="list-style-type: none"> Single Channel 200 μL Gilson 	
	<ul style="list-style-type: none"> Single Channel 1000 μL Gilson 	
<ul style="list-style-type: none"> Single Channel 1000 μL Fortuna 		
Microscope	<ul style="list-style-type: none"> Rax Vision 	<ul style="list-style-type: none"> Php 300.00 (first hour) Php 100.00 (per succeeding hour)



Muffle Furnace	<ul style="list-style-type: none">Nabetherm	<ul style="list-style-type: none">Php 800.00 (first heating hour)Php 500.00 (per succeeding heating hour)
Orbital Shaker	<ul style="list-style-type: none">IKA KS 130 Basic	<ul style="list-style-type: none">Php 300.00 (first hour)Php 100.00 (per succeeding hour)
Osterizer	<ul style="list-style-type: none">NA	<ul style="list-style-type: none">Php 300.00 (first hour)Php 100.00 (per succeeding hour)
pH Meter	<ul style="list-style-type: none">Beckman Coulter Phi 510Sartorius PB 20	<ul style="list-style-type: none">Php 500.00 (first hour)Php 100.00 (per succeeding hour)
pH Meter with ORP/ISE (F ⁻)/Conductivity	<ul style="list-style-type: none">Horiba	<ul style="list-style-type: none">Php 350.00 (per sample for F⁻ selective electrode)Php 1000.00 (per hour for F⁻ selective electrode)Php 150.00 (per sample for conductivity/ORP)Php 500.00 (per hour for conductivity/ORP)
Polarimeter	<ul style="list-style-type: none">Kruss P1000 LED	<ul style="list-style-type: none">Php 800.00 (5 calibration standard + 3 samples)Php 100.00 (per additional sample)
Potentiostat/Galvanostat	<ul style="list-style-type: none">Metrohm-Autolab PGSTAT 101	<ul style="list-style-type: none">Please submit proposed method and number of samples required prior to pricing and scheduling. Price will include a Professional fee for the Licensed Chemist who will conduct the required analyses.
Refractometer	<ul style="list-style-type: none">Abbe 5	<ul style="list-style-type: none">Php 800.00 (5 calibration standard + 3 samples)Php 100.00 (per additional sample)
Refrigerated Centrifuge	<ul style="list-style-type: none">Dynamica Velocity 18R	<ul style="list-style-type: none">Php 1,500.00 (per run and a maximum of 30 minutes per run)
Rotary Evaporator	<ul style="list-style-type: none">Buchi Rotavap R-215	<ul style="list-style-type: none">Php 1,500.00 (first hour)Php 300.00 (per succeeding hour)
Semi Micro Analytical Balance	<ul style="list-style-type: none">Sartorius	<ul style="list-style-type: none">Php 500.00 (first hour)Php 200.00 (per succeeding hour)
Sonicator Water Bath (10 L capacity)	<ul style="list-style-type: none">Branson 8510	<ul style="list-style-type: none">Php 500.00 (first hour)Php 100.00 (per succeeding hour)
Soxhlet Extraction	<ul style="list-style-type: none">NA	<ul style="list-style-type: none">Php 500.00 (first hour)Php 100.00 (per succeeding hour)
Suction Machine	<ul style="list-style-type: none">NA	<ul style="list-style-type: none">Php 200.00 (first hour)Php 100.00 (per succeeding hour)
TLC Plate Viewer (UV Lamp-equipped)	<ul style="list-style-type: none">NA	<ul style="list-style-type: none">Php 300.00 (first hour)Php 100.00 (per succeeding hour)
Top-Loading Balance	<ul style="list-style-type: none">Ohaus Navigator NVT 22000Ohaus Defender 2000	<ul style="list-style-type: none">Php 250.00 (per hour)



	<ul style="list-style-type: none"> • Mettler Toledo PB602 	
Ultrasonic Processor (Probe Type)	<ul style="list-style-type: none"> • Cole Parmer 750W 	<ul style="list-style-type: none"> • Php 800.00 (per sample and a maximum of 30 minutes of sonication) <p><i>*Sample volume must be between 25 mL to 200 mL and solvent must be non-flammable</i></p>
Vacuum Drying Oven	<ul style="list-style-type: none"> • Biobase BOV-50V 	<ul style="list-style-type: none"> • Php 500.00 (first hour) • Php 200.00 (per succeeding hour)
Water Bath Shaker	<ul style="list-style-type: none"> • Daihan Scientific Maxturdy 30" 	<ul style="list-style-type: none"> • Php 500.00 (first hour) • Php 100.00 (per succeeding hour)
Westphal Balance	<ul style="list-style-type: none"> • China 	<ul style="list-style-type: none"> • Php 300.00 (first hour) • Php 100.00 (per succeeding hour)

Consumables

Items	Amount	Price
Distilled Water	1 Liter	Php 12.00
Ultrapure Water	1 Liter	Php 1,000.00

NOTES:

- Price indicated are for **EQUIPMENT USAGE ONLY**. Data interpretation, if requested, will be **conducted by Licensed Chemists** and are **subject to a separate professional fee**.
- Students currently enrolled at Adamson University and Faculty Researchers may use all of the equipment and facilities at the Chemistry Laboratory **FREE OF CHARGE**, subject to the following conditions:
 - Student is currently enrolled in a laboratory course under any of the following programs: BS Chemistry, BS Biology, BS Pharmacy, BS Geology, Undergraduate Engineering Programs (**must submit approved research proposal + relevant journal references to the Laboratory Head for approval and scheduling of research activity**);
 - A minimal fee may be charged** for pieces of equipment that require consumable items, e.g. AAS, GC, and FTIR.
 - Student is currently enrolled at the Adamson University - Basic Education Department (Senior/Junior HS) and will be doing work related to his/her investigatory project / research subject (**must submit approved research proposal + relevant journal references to the Laboratory Head for approval and scheduling of research activity**);
 - Faculty researchers who is under the Center for Research and Development or those who have external **funding** (**must submit approved research proposal to the Laboratory Head for approval and scheduling of research activity**).
 - A minimal fee may be charged** for pieces of equipment that require consumable items, e.g. AAS, GC, and FTIR.
 - High School/College students from Public Schools/State Universities can avail of a **10% discount on equipment/lab usage fees**.
 - Alumni of Adamson University can avail of a **10% discount on equipment/lab usage fees**.
 - Special price packages for bulk sample analysis from corporate/government clients can be arranged upon request.
- Researchers (both students of Adamson University and from other schools/universities) need to send a **LETTER OF INTENT** with the following format:
 - Letter must be addressed to:

CINDY T. BAUTISTA
Head, Laboratory
Adamson University

- Include in the letter a time table of all the steps and equipment(s)/instrument(s) you will be using inside the premises. Please refer to an example below:



Table 1.1 Example of Scheduled Time Table for Visit

Time	Procedure	Equipment(s)/Instruments to be Used	Number of Hours
8:00 AM	Arrival at Laboratory	-	-
8:00 AM-9:00 AM	Preparation of Samples	600 mL Beaker, Stirring Rod	1 hour
9:00 AM-11:00 AM	Analysis Using FTIR	FTIR	2 hours (x amount of samples)
11:00 AM	End of Visit	-	-

- III. Your letter must be signed by you, the researchers, your **RESEARCH ADVISER (SENIOR HIGH SCHOOL)/THESIS ADVISER (COLLEGE)** and endorsed by your **PRINCIPAL (SENIOR HIGH SCHOOL/DEAN OR CHAIRPERSON (COLLEGE))**.
- IV. You need to send your letter of intent **1 WEEK BEFORE THE INTENDED EXPERIMENTATION**. You may send it to our email, chemistry.laboratory@adamson.edu.ph.
- V. Please note that we will be strict in following your time table as we will also include others who have scheduled for the day. **NO EXTENSION** will be given unless there will be no individual who will use the said equipment(s)/instrument(s). A 1-hour grace period will be given to the outsiders. Once the 1 hour has been consumed, we will no longer allow you to continue your request.
- VI. For the **UV-Vis, AAS, GC-FID/TDC, and ELISA**, you need to have your own method and standard. Please refer to your research/thesis adviser regarding this. Without the said requirements, we will not accept your sample for analysis.
- VII. Wear proper PPEs inside the laboratory at all times.
- VIII. Observe cleanliness inside the premises.
- IX. After using the equipment(s)/instrument(s)/laboratory apparatuses, be sure to clean it.
- X. Adamson University Chemistry Laboratory is **NOT A TESTING LABORATORY**. We only provide usage of equipment(s)/instrument(s) to outsiders. As such, anything related to your research/thesis (methods, procedures, chemicals to be used, etc.) will be your own. If you will be needing professional help, please refer to a testing laboratory for your inquiries.
- XI. **ALL SERVICES PROVIDED BY ADAMSON UNIVERSITY CHEMISTRY LABORATORY** are all included in the price list located in our Facebook page and website. Anything not included in the list is not offered by our laboratory. You may refer to other Universities or testing laboratories to inquire about your specific service.
- XII. We post updates about the events inside the laboratory on our Facebook page. You may search us at www.facebook.com/aduchemlab or simply search **ADAMSON UNIVERSITY CHEMISTRY LABORATORY** on the search tab.