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PR-2025-0507-270880

3.5.20



Republic of the Philippines  
**VISAYAS STATE UNIVERSITY**  
 Visca, Baybay City, Leyte

## PURCHASE REQUEST

PPMP No. : **PPMP-2025-033125-1077**PR No.: **TF-2025-05-00576**Date: **05-07-2025**Dept./Office: **FVM**Category: **Laboratory  
Analysis and Services**Duration: **2024-12-01  
to**Section/End-User: **Heherson A. Luza**Project Title/Code: **20201050-  
10.6.33 - A****2026-11-30**Funding Source: **Trust Fund**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Direct Sequencing (Sanger Sequencing)	sample	45	1,000.00	HARVIE P. PORTUGALIZA	45,000.00

### Specification:

#### Sequencing Principle:

- based on the chain termination method, incorporating special chain terminating agents to halt DNA synthesis, generating varying lengths of DNA strands.

#### Read Length:

- relatively long, typically reaching 800 to 1000 base pairs.

#### Speed:

- relatively slow, sequencing small DNA segments sequentially, requiring step-by-step analysis.

#### Cost:

- relatively high, especially in large-scale sequencing projects.

#### Error Rate:

- low, relatively accurate

#### Equipment Cost:

- relatively low, equipment is simpler.

#### Scope of Application:

- suited for relatively small DNA fragments.

#### Parallelization:

- sequential sequencing, only one DNA strand can be sequenced at a time.

#### Sample Handling:

- effective for individual samples, less suitable for high-throughput samples.

**Specificity:**

- demonstrates good specificity for specific sequences, with minimal cross-contamination.

**Data Analysis:**

- relatively straight forward, suitable for small-scale projects.

**Integration of New Technologies:**


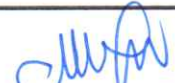



- mature technology, less adaptable to new technologies.

**Availability:**

- widely adopted, extensively used in academic research.

	<b>TOTAL</b>					<b>45,000.00</b>
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Purpose: For DNA Sequencing for the research project "Protect Phil Warty".

Checked by:  <b>ELIZABETH S. QUEVEDO</b>		Funds Available:  <b>NICK FREDDY R. BELLO</b>	
TWG - Laboratory Analysis and Services		HEAD, ACCOUNTING OFFICE	
Signature:	Prepared by: 	Noted by: 	Approved by: 
Printed Name:	<b>HEHERSON A. LUZA</b>	<b>HARVIE P. PORTUGALIZA</b>	<b>PROSE IVY G. YEPES</b>
Designation:	PROJECT TECHNICAL ASSISTANT I	UNIT HEAD, PROJECT LEADER	PRESIDENT, VSU