

Purchase Order
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier: YANA CHEMODITIES, INC.	P.O. No.:	GIAP-PO-2024-01-0015 (EBD)
Address: 151 Kaliraya St., Quezon City	Date:	January 17, 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, DELIVERY OF ONE (1) LOT CUSTOMIZED QPCR KIT 1,999,887.60

1. Primers and probes

The ASFv duplex would not be discriminative, and the two probes would be in FAM-BHQ1:

Name	Sequence	Fluorophore	Quencher
VPDF	TGCTAACGATGGGAAGGC		
VPDR	TGACTCAAAGTGGGTTCCGG		
VPDPrb-FM-TMR	TGGCCAAGACTTGCTGAATAGCA	FAM	BHQ1
VPJ-F	CTGCTCATGGTATCAATCTTATCGA		
VPJ-R	GATACCACAAGATCAGGCCGT		
VPJPrb-FM-TMR	CCACGGGAGGAATACCAACCCAGTG	FAM	BHQ1

Table 1: Sequences of the primers and probes targeting ASFv.

You proposed to use an endogenous gene as internal positive control, we would therefore add this set of primers and probes:

Name	Sequence	Fluorophore	Quencher
ACTB fw	GACCTGACCGACTACCTCATG		
ACTB rv	TTCCTTGATGTCCCGCAC		
ACTB pr	CTACAGCTTCACCACCGGC	YY	BHQ1

Table 2: Sequences of the primers and probes targeting ACTB.

Sequences were based on this article: <https://doi.org/10.1111/tbed.13582>. We will wait for your approval.

2. Mastermix

The Mastermix would be:

- A 5x concentrated with no ROX added (Takyon™ No Rox Probe 5X MasterMix dTTP - UF-NP5X-C0101) for the CHAI Open qPCR machine, and
- A 5x concentrated with Low ROX (Takyon™ Low Rox Probe 5X MasterMix dTTP - UF-LP5X-C0101) for the ABI 7500.

3. Validation step

The reference CS-ALIQ-SA23041 would include:

- Four samples of our Takyon Mastermix: two for the ABI and two for the CHAI. Each sample consists of 150 reactions, totaling 600 reactions.
- Six tubes of primers (VPDF, VPDR, VPJ-F, VPJ-R, ACTB fw, and ACTB rv), 10 nmol each. These oligonucleotides would be under the RVO grade (see annex 2 for more information).
- Three tubes with the probes (VPDPrb, VPJ-Prb, and ACTB pr), 4 nmol each.

Purchase Order
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier:	YANA CHEMODITIES, INC.	P.O. No.:	GIAE-PO-2024-01-0015 (EBD)
Address:	151 Kallraya St., Quezon City	Date:	January 17, 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
------------------------	------	-------------	----------	-----------	--------

All the oligonucleotides (primers and probes) would be provided in a dry format, while the Mastermix would be in a frozen solution format.

8-well strips – CS-ALIQ-PROD23042

Each kit of reference CS-ALIQ-PROD23042-CHAI or CS-ALIQ-PROD23042-ABI would include one kit with:

- An 8-well strip, with each strip containing:
 - o A CHAI- or ABI- adapted Mastermix (4 μ L)
 - o The primers and probes as depicted in tables 1 and 2.
- A tube containing a plasmid with the VP72 sequence to be amplified for use as a **positive control**.
- A **negative control** tube containing nuclease-free, PCR grade H₂O.

Inclusions:

- ISO 9001 certification.
- Project management and product manufacturing in compliance with ISO 13485 certification guidelines.
- **9 Track oligonucleotides:** 6 primers and 3 probes (as depicted in tables 1 and 2). *Once the validation testing is completed, we will need you to share the final concentration for the primers and probes – prices may be adapted then.*
- **These primers will be manufactured under our Track grade** (see annex 2 for more information).
- One tube of nuclease-free, PCR grade H₂O.
- RP-HPLC purification for all probes and primers.
- MS MALDI TOF QC for both primers and probes.
- Quantitative RP-HPLC QC for the probes.
- Double OD quantification for primers and probes.
- Tube dispensing of the Mastermix, the primers and the probes in an ISO 8 cleanroom (class 100,000).
- qPCR 8 tube strips with strip cap.
 - o CHAI: qPCR 8-tube strip, 0.1 ml, low profile, white (RT-STR8-LF120).
 - o ABI: qPCR 8-tube strip, 0.2 ml, high profile, white (RT-STR8-RF120).
- Tubes labelling.
- Dry ice shipment to the Philippines (frozen format).

Purchase Order
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier: YANA CHEMODITIES, INC.	P.O. No.:	GIAE-PO-2024-01-0015 (EBD)
Address: 151 Kalliraya St., Quezon City	Date:	January 17, 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
------------------------	------	-------------	----------	-----------	--------

Reference	
CS-ALIQ-PROD23042-ABI	One reference = 295 strips
CS-ALIQ-PROD23042-CHAI	One reference = 295 strips

Notes:

- This price include lyophilization.
- The total price includes the plasmid presented in Annex 1.
- **The validation step (reference CS-ALIQ-SA23041) is included in the price.**

Annex 1: Plasmid design for VP72

Vp72 plasmid

Cloning vector: pUC18 vector

Restriction sites: sma1/xba1

Quantity: 100 µg

DNA sequence:

ATGGCATCAGGAGGAGCTTTTGTCTTATTGCTAACGATGGGAAGGCCGACAAGATTATATTGGCCCAAGACTTG
 CTGAATAGCAGGATCTCTAACATTAATAAATGTGAACAAAAGTTATGGGAAACCCGATCCCGAACCCACTTTGAGT
 CAAATCGAAGAAACACATTTGGTATTAATAAACATTTCCGTAAC**CTGCTCATGGTATCAATCTTATCGATAAATTTCCA**
 TCAAAGTTCTGCAGCTCTACATACCTTCCACTACGGAGGCAATGCGATTAACCCCGATGATCCGGGTGCG
 ATGATGATTACCTTTGCTTTGAAG**CCACGGGAGGAATACCAACCCAGTGGT**CATATTAACGTATCCAGAGCAAGA
 GAATTTATATTAGTTGGACACGGATTACGTGGGGTCTATCACT**ACGGCTGATCTTGTGGTATCGGCATCTGCTAT**
 TAACTTTCTTCTTCTCAGAACG

Purchase Order
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Appendix 61

Supplier: YANA CHEMODITIES, INC.	P.O. No.:	GIAE-PO-2024-01-0015 (EBD)
Address: 151 Kaliraya St., Quezon City	Date:	January 17, 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: 90 CD
Date of Delivery:	Payment Term:

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

Annex 2: Different oligonucleotides grades

Eurogentec is proud to introduce the Track Oligonucleotides as your right-priced solution. With over 25 years experience in Oligonucleotide Manufacturing, Eurogentec ensures high quality products & services covering research to commercialization.

Track Oligonucleotides offer the required traceability, including identification of the equipment used, the personnel involved and other important manufacturing specifications during the entire production process.

And all this, at an affordable price! With the track oligos, you have the traceability required for most of the diagnostic market applications: Lab Services (Health, Agro, Veterinary, Environment), Hospital Lab, Agro Lab, MDx Companies



Oligonucleotide Grades	Research	Track	Pre-Diagnostic	Diagnostic
Process				
Dedicated Account Contact Person	Option	✓	✓	✓
Customized Fill & Finish	Option	Option	✓	✓
Quality Management				
ISO 9001 Certification	✓	✓	✓	✓
ISO 13485 Certification	-	-	✓	✓
Qualification/Validation (Equipment & Method)	-	Partial	✓	✓
Control				
Quantification	Single	Dual	Triple	Triple
Stringent QC Tests (validated)	-	✓	✓	✓
Traceability	Partial	Documented	Documented	Full documented
Batch Record (Archived for 5 years)	-	-	Partial	Full
Classified Cleanroom	-	-	✓	✓
Certificate of Analysis (CoA)	-	✓	✓	✓



- **Custom Backbones:** DNA - RNA - 2' O-Me RNA - Phosphorothioate
- **Modifications:** >250 Modifications Available incl. Proprietary Dyes (HiLyte™) and Quenchers (OXL™)
- **Purification Chemistries:** RP/IE HPLC (Single or Dual)
- **QC Validated Methods:** MS, HPLC and CGE
- **Optional Services:** Additional QC - Customized Fill & Finish

Less: VAT	89,280.69	1,999,887.60
EWT	17,856.15	107,136.87
TOTAL:		1,892,750.78

END USER: **JOHN PAUL O. JOSE**

(Total Amount in Words): One Million Eight Hundred Ninety Two Thousand Seven Hundred Fifty Pesos & 78/100

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: *Chona L. Dusaban* Signature over Printed Name of Supplier
January 31, 2024 Date

Very truly yours, *DR. ANNABELLE V. BRIONES* Signature over Printed Name of Authorized Official
Director Designation

Fund Cluster: VIP PROJECT 5: DEVELOPMENT OF A REAL-TIME POLYMERASE CHAIN REACTION OF POINT-OF-NEED DETECTION FOR AFRICAN SWINE FEVER VIRUS (ASFV)

Date: *Jan. 31, 2024* Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit Accountant II
PATRICIA ASHLEY M. MENDOZA

ORS/BURS No.:
Date of the ORS/BURS:
Amount: