



DEPARTMENT OF HEALTH AND SOCIAL AFFAIRS

FSM National Government
Capitol Street, P.O. Box PS 70
Palikir, Pohnpei 96941
Federated States of Micronesia

Tel: (692) 320-2619/2872/2643. E-mail: health@fsmhealth.fm. Fax: (691) 320-5263

Office of the Secretary

January 16, 2024

Request for Proposal – Supply and Installation of Real Time PCR Systems in Pohnpei and Yap Laboratories

Opening Date: January 22, 2024

Closing Date: February 23, 2024

1. General

The FSM Department of Health and Social Affairs is increasing molecular testing capacity in the laboratories in Pohnpei and Yap. We require FDA Approved real-time PCR systems for use in laboratories in Pohnpei and Yap. The instruments will be mainly used for infectious disease testing. Instruments that can be used with FDA approved tests for COVID-19, Influenza, Dengue, Leptospirosis and antibiotic resistance genes are preferred

2. Specifications

Please refer to attached spreadsheet for specifications for each item

3. Eligibility

Vendor must be authorized distributor and able to provide biomedical support.

4. Format for Bid Submission

The proposal may be submitted in any generally accepted style and format as long as it provides the necessary information as follows:

- A. Name and Address of vendor
- B. Telephone number, contact email addresses
- C. Detailed cost including tax and freight, 2 units CIF Pohnpei and 1 unit CIF Yap

5. Submission

Submit proposals by hand, mail or email to the address below:

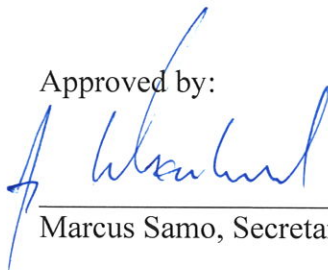
Marcus Samo
Secretary
Department of Health and Social Affairs
FSM National Government
PO Box PS-70, Palikir, Pohnpei FM 96941

Phone: 320 8300/2619/2872
Email: health@fsmhealth.fm

6. Final Approval

Government reserves the right to reject all or part(s) of any bid submitted

Approved by:



Marcus Samo, Secretary

1/18/24

Date

Technical Specifications

Item	Specifications	Statement of Compliance
System	Real-Time PCR 3 units	<i>Bidders must state here either 'comply' or 'not comply' against each of the individual parameters</i>
	Sample capacity: 96 wells	
	Sample Size: 10-50µL	
	Communications: USB 2.0 or above, Ethernet, WiFi	
	Electrical Approvals: IEC, CE	
Optical Detection System	Excitation: at least 6 filtered LEDs	
	Detection: at least 6 photodiodes	
	Range of excitation/emission wavelengths: 450-730nm	
	Scan time: single channel, 3 secs, all channels 2 sec	
	Dynamic range: 10 orders of magnitude	
	Sensitivity: 1 copy of target sequence in human genomic DNA	
	Multiplex analysis: up to 5 targets per well	
	Dyes calibrated at installation	
96 well reaction block	Sample block type: fixed 96 well sample block	
	Heating and cooling method: Peltier	
	Lid heating: 30-110C	
	Temperature range: 4-100C	
	Maximum ramp rate: 5C/sec	
	Average ramp rate: 2C/sec	
	Thermal accuracy: ±0.2C	
	Thermal uniformity: ±0.3C	
System manager software	Operating system: Window 10 or 11	
	Memory: ≥1GB	
	Data analysis modes: PCR quantification with standard curve. Met curve analysis. Gene expression analysis. Multiple file gene expression analysis for comparison of an unlimited number of quantification cycle values. Allelic discrimination, Endpoint analysis	
	Data export: able save, copy and print all graphs and spreadsheets	
Inclusions	Compatible UPS	
Additional Requirements	Conduct of inspection and test runs upon delivery and installation Mut provide training to users on operation and general maintenance	
Service & Warranty	Warranty: Two years. Bidders are required to submit names, contact numbers and qualifications of service engineers	