



PPHSN LabNet catalog - *2015 Edition*

The LabNet concept

The idea of LabNet came from the recognition that many Pacific Islands have little or no ready access to public health laboratory services. Existing laboratory services are traditionally hospital-based and have limited provisions. The **LabNet** concept is described as follows:

1. **LabNet is a three-level network of laboratories: L1, L2 and L3, where "level" refers primarily to the role of the laboratory in the network and not to its capacity.**
 - L1 labs are the labs of the PPHSN member countries and territories. This level is the closest to patients and clinicians facing an outbreak alert. L1 labs collect samples from suspect patients and when possible use screening tests. They should have ready access to L2 or L3 lab confirmation services for selected diseases.
 - L2 regional labs perform the first level of confirmation tests for L1 labs. The techniques they run require more training and equipment than those used at L1 labs. They are further supported by L3 labs. L2 regional labs may also serve as L1 labs in their country or territory.
 - L3 labs are reference laboratories. They are usually internationally recognised labs (e.g. WHO collaborating centres), located in the Pacific Rim countries (mainly Australia, New Zealand and USA). In addition to the L2 disease-specific role, they perform more sophisticated, less urgently needed tests, giving important epidemiological information for the region or in the context of the worldwide surveillance of major diseases (such as dengue virus genotyping, influenza subtyping or *Leptospira* serogrouping).
2. **LabNet** aims to provide recommendations and support for shipping and testing of specimens and has a dedicated email mailing list (PacNet-Lab) intended for communicating laboratory specific information among lab practitioners and others involved in PPHSN activities in the region.
3. In order to better support this role, information regarding the **LabNet** labs and activities has been collected and formatted into a **LabNet Catalog**. The goal is to conduct evaluations and assessments on a routine basis so as to have this catalog updated, at a minimum, on an annual cycle.

The **LabNet Catalog** is made up of 4 sections:

- Section 1: L1 Laboratories
- Section 2: L2 Laboratories
- Section 3: L3 Laboratories
- Section 4: Key PPHSN Contacts

Each section has a list of all the defined laboratories, followed by specific details for each country presented following a standard format: A-lab name and contact information; B-testing and referral information for 12 PPHSN relevant diseases; C-referral lab and shipping information

Section 3 contains the same information, although in a slightly different format, and with some specific instructions for shipping specimens from countries to the L3 facility.



SECTION 1

L1 LABORATORY SITES:

No.	Country/Territory
1	American Samoa
2	Cook Islands
3	Federated States of Micronesia - Chuuk
4	Federated States of Micronesia - Kosrae
5	Federated States of Micronesia – Pohnpei
6	Federated States of Micronesia – Yap
7	Kiribati
8	Republic of the Marshall Islands
9	Nauru
10	Northern Mariana Islands
11	Niue
12	Republic of Palau
13	Papua New Guinea
14	Samoa
15	Solomon Islands
16	Tokelau
17	Tonga
18	Tuvalu
19	Vanuatu
20	Wallis and Futuna

Note: In this section, * indicates a commercial or government laboratory, not in the original PPHSN-LabNet list. These laboratories have been contracted by the country or jurisdiction and it is important to include them in the catalog for a complete understanding of all testing provisions available in the region.



COUNTRY: AMERICAN SAMOA**LABNET DESIGNATION:** L1**A: Contact/General Information**

Laboratory Name	Lyndon B Johnson Hospital Laboratory
Lab Contact Name(s):	
Lab Main Contact Address	Manasa Mainaqaielevu Asst. Lab Manager Medical Laboratory LBJ Tropical Medical Center, Pago Pago USA
E-mail	Manasa.mainaqaielevu@lbj.as
Ph	(684) 633 2001/1222
Fax	(684) 633 1200
Sr. Tech/Other Contact	Ms Seini Biukoto
E-mail	astbiukoto@yahoo.com Dr Ma Ivy Clemente / Laboratory Director

Laboratory Testing Performed	General lab testing, PPHSN disease testing
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B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Current Referral Lab Location
Chlamydia	Clearview	No	N/A
Cholera	Culture/ID	No	N/A
Dengue	PanBio-IgM	No	N/A
Gonorrhoea	Culture/ID	No	N/A
HIV	EIA	Western Blot	Diagnostic Lab Services Hawaii, USA
Influenza	Binax / Fluorescent stain	PCR	Hawaii State Laboratory
Leptospirosis	PanBio-IgM	Confirmation	Diagnostic Lab Services Hawaii, USA
Measles	No	EIA	Diagnostic Lab Services Hawaii, USA
Rubella	Remel-Colorslide	No	N/A
Syphilis	RPR, TPPA, Titer	No	N/A
Tuberculosis	Direct smear-ZN stain	Culture, ID, Sensitivity	Diagnostic Lab Services Hawaii, USA
Typhoid	Culture/ID	No	N/A

C: Referral and Shipping Information

Recommended L2/L3 Referral Lab(s)	*Diagnostic Lab Services Hawaii, USA
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Hawaiian Airlines



COUNTRY: COOK ISLANDS**LABNET DESIGNATION:** L1**A: Contact/General Information**

Laboratory Name	Rarotonga Hospital Laboratory
Lab Contact Name(s):	
Lab Main Contact Address	Mr. Douglas Tou - Lab Manager Ministry of Health P. O. Box 109, Rarotonga, Cook Islands
E-mail	d.tou@health.gov.ck
Ph	(682) 22664
Fax	(682) 22670
Sr. Tech/Other Contact	Ms Theresa Tatuava, Senior Med Lab Technologist, Quality Coordinator
E-mail	t.tatuava@health.gov.ck
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Current Referral Lab Location
Chlamydia	BD Probetec-DNA Probe	No	N/A
Cholera	Culture/ID	Serotyping	LabPlus Auckland, NZ
Dengue	SD Deng NS1 Ag+Ab Comb Rapid Device 25T	Serotype, PCR	WHO Arbovirus Reference Centre, Brisbane,Australia/ Institute Louis Malardé, FP
Gonorrhoea	Gram stain, culture BD Probetec-DNA Probe	No	N/A
HIV	Determine HIV (100T), HIV 1+2 Rapid Test Insti, HIV 1+2, Unigold (20s)	No	N/A
Influenza	Fluorescent stain	PCR	ESR/NCBID Wellington
Leptospirosis	Not done	Yes	LabPlus Auckland, NZ
Measles	Not done	Yes	LabPlus Auckland, NZ
Rubella	Not done	Yes	LabPlus Auckland, NZ
Syphilis	Determine-TPHA RPR	RPR, Titer	LabPlus Auckland, NZ
Tuberculosis	Direct smear-ZN stain	Yes	LabPlus Auckland, NZ
Typhoid	Culture/ID	Yes	LabPlus, Auckland, NZ

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	WHO Arbovirus Reference Centre, Brisbane, AU; WHO- CC- Melbourne, AU; Inst. Past New Caledonia ; *LabPlus-Auckland, NZ
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Air New Zealand



COUNTRY: FSM-CHUUK

LABNET DESIGNATION: L1



A: Contact/General Information

Laboratory Name	Chuuk State Hospital Laboratory
Lab Contact Name(s):	Mr. Kasian Otoko - Lab Supervisor
Lab Main Contact Address	Chuuk State Hospital P.O.Box 400, Weno, Chuuk, FSM 96942
E-mail	Kasian001@hotmail.com ; kotoko@fsmhealth.fm (691)
Ph	330 2220/2216(17)
Fax	(691) 330 2320
Sr. Tech/Other Contact	Ms. Lisa Barrow - FSM National Lab Coordinator
E-mail	lbarrow@fsmhealth.fm
Ph	(691) 320 8300
Fax	(691) 320 8460
Laboratory Testing Performed	General lab testing, limited PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Current Referral Lab Location
Chlamydia	No	SDA/probetech	Pohnpei
Cholera	Microscopy, culture and sensitivity	Yes/ subtyping	Hawaii Public Health Lab (to be confirmed)
Dengue	SD NS1/IgM/IgG	Serology/PCR	QUT, Australia
Gonorrhoea	Microscopy, culture	No	N/A
HIV	Determine, confirmatory algorithm, CD4+	Viral load	Diagnostic Lab Services Hawaii, USA
Influenza	no	PCR	HPHL
Leptospirosis	SD IgM/IgG	Serology/PCR	QHFSS
Measles	No	yes	Hawaii Public Health Lab (to be confirmed)
Rubella	No	No	N/A
Syphilis	RPR, titre, Determine syph TP	No	N/A
Tuberculosis	Direct smear-ZN stain	Culture, ID, sensi	Diagnostic Lab Services Honolulu-Hawaii, USA
Typhoid	M/C/S	Yes/subtyping	Hawaii Public Health Lab (to be confirmed)

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	*Diagnostic Lab Services; *University of Hawaii-Trop. Medicine Department; State Lab of Hawaii, Hawaii, USA
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	United Airlines



COUNTRY: FSM-KOSRAE

LABNET DESIGNATION: L1



A: Contact/General Information

Laboratory Name	Kosrae State Hospital Laboratory
Lab Contact Name(s):	
Lab Main Contact Address	Mr. Kesler Lakutak - Lab Supervisor Kosrae State Hospital P.O. Box 127 Kosrae, FSM 96944
E-mail	klakutak@fsmhealth.fm
Ph	(691) 370 3012/3006
Fax	(691) 370 3073
Sr. Tech/Other Contact	Mr. William Nena - Asst. Lab Supervisor wnena@fsmhealth.fm
E-mail	Ms. Lisa Barrow - FSM National Lab Coordinator lbarrow@fsmhealth.fm
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Current Referral Lab Location
Chlamydia	No	SDA/probetech	Pohnpei
Cholera	Microscopy, culture and sensitivity	Yes/ subtyping	Hawaii Public Health Lab
Dengue	SD NS1/IgM/IgG	Serology/PCR	QUT, Australia, Institute Louis Malardé, FP
Gonorrhoea	Microscopy, culture	No	N/A
HIV	Determine, confirmatory algorithm, CD4+	Viral load	Diagnostic Lab Services Hawaii, USA
Influenza	No	PCR	HPHL
Leptospirosis	SD IgM/IgG	Serology/PCR	QHFSS
Measles	No	yes	Hawaii Public Health Lab
Rubella	No	No	Hawaii Public Health Lab
Syphilis	RPR,titre, Determine syph TP	No	N/A
Tuberculosis	Direct smear-ZN stain	Culture, ID, sensi	Diagnostic Lab Services Honolulu-Hawaii, USA
Typhoid	Presumptive culture	No	Hawaii Public Health Lab (to be confirmed)

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	*Diagnostic Lab Services; *University of Hawaii-Trop. Med. Department; State Lab of Hawaii; All in Hawaii, USA
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	United Airlines



COUNTRY: FSM-POHNPEI**LABNET DESIGNATION:** L1**A: Contact/General Information**

Laboratory Name	Pohnpei State Hospital Laboratory
Lab Contact Name(s):	Mr. Herbert Johnny - Lab Supervisor
Lab Main Contact Address	Pohnpei State Hospital Kolonia, Pohnpei FSM 96941
E-mail	hjohnny@fsmhealth.fm hjohnny@yahoo.com
Ph	(691) 320 2214
Fax	(691) 320 5394
Sr. Tech/Other Contact	Ms. Lisa Barrow – FSM National Lab Coordinator
E-mail	lbarrow@fsmhealth.fm
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Current Referral Lab Location
Chlamydia	SDA ProbeTech	No	N/A
Cholera	Microscopy, culture and sensitivity	Yes/ subtyping	Hawaii Public Health Lab
Dengue	SD NS1/IgM/IgG	Serology/PCR	QUT, Australia or Institute Louis Malardé, FP
Gonorrhoea	Microscopy, culture	No	N/A
HIV	Determine, confirmatory algorithm, CD4+	Viral load	Diagnostic Lab Services Hawaii, USA
Influenza	PCR	PCR	HPHL
Leptospirosis	SD IgM/IgG	Serology/PCR	QHFSS or Institute Louis Malardé, FP
Measles	No	yes	Hawaii Public Health Lab (to be confirmed)
Rubella	No	No	HPHL
Syphilis	RPR,titre, Determine syph TP	No	N/A
Tuberculosis	Direct smear-ZN stain	Culture, ID, sensi	Diagnostic Lab Services Honolulu-Hawaii, USA
Typhoid	Presumptive culture	No	Hawaii Public Health Lab (to be confirmed)

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	*Diagnostic Lab Services; *University of Hawaii-Trop. Medicine Department; State Lab of Hawaii; All in Hawaii, USA
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	United Airlines



COUNTRY: FSM-YAP**LABNET DESIGNATION:** L1**A: Contact/General Information**

Laboratory Name	Yap State Hospital Laboratory
Lab Contact Name(s):	
Lab Main Contact Address	Ms. Maria Marfel – Lab Manager Yap State Hospital P. O. Box 148 Colonia, Yap FSM 96943
E-mail	mmarfel@fsmhealth.fm
Ph	(691) 350 2110/3446
Fax	(691) 350 3444
Sr. Tech/Other Contact	Ms. Lisa Barrow - FSM National Lab Coordinator
E-mail	lbarrow@fsmhealth.fm
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Current Referral Lab Location
Chlamydia	GeneXpert	No	N/A
Cholera	Microscopy, culture and sensitivity	Yes/ subtyping	Hawaii Public Health Lab (to be confirmed)
Dengue	SD NS1/IgM/IgG	Serology/PCR, Dry spot	WHO Arbovirus Reference Centre, Brisbane
Gonorrhoea	Microscopy, culture, GeneXpert	No	N/A
HIV	Determine, confirmatory algorithm, CD4+	Viral load	Diagnostic Lab Services Hawaii, USA
Influenza	IFA	Yes	HPHL
Leptospirosis	No	Serology/PCR	QHFSS
Measles	No	yes	Hawaii Public Health Lab (to be confirmed)
Rubella	No	No	N/A
Syphilis	RPR,titre, Determine syph TP	No	N/A
Tuberculosis	Direct smear-ZN stain GeneXpert MRTB	Culture, ID, sensi	Diagnostic Lab Services Honolulu-Hawaii, USA
Typhoid	Presumptive culture	No	Hawaii Public Health Lab (to be confirmed)

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	*Diagnostic Lab Services; State Lab of Hawaii; All in Hawaii, USA; WHO Arbovirus Reference Centre, Brisbane, AU.
IATA certified shippers	Yes (6)
Airline/Cargo companies the lab uses to ship to L2/L3 lab	United Airlines



COUNTRY: KIRIBATI

LABNET DESIGNATION: L1



A: Contact/General Information

Laboratory Name	KIRIBATI HEALTH LABORATORY
Lab Contact Name(s):	
Lab Main Contact Address	Ms. Rosemary Tekoaua – Acting Director of Laboratory Services, Ministry of Health & Medical Services P. O. Box 268, Bikenibeu, Tarawa, Kiribati
E-mail	rosemarytek@gmail.com
Ph	(686) 28100 EXT 234
Fax	(686) 28568 / 28152
Sr. Tech/Other Contact	Ms. Gretna Tauma - Acting Deputy Director of Laboratory Services
E-mail	gtauma@gmail.com
Ph	(686) 28100 EXT 235
Laboratory Testing Performed	All general lab testing, PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Current Referral Lab Location
Chlamydia	No	Yes	Mataika House Fiji
Cholera	Culture-ID, serotype,	No	N/A
Dengue	Yes	No	WHO Arbovirus Reference Centre Brisbane Australia Mataika House Fiji
Gonorrhoea	Culture-ID	No	Mataika House Fiji
HIV	Determine, CD4 conut	Viral Load	Mataika House, Fiji
Influenza	Fluorescent Stain	PCR	Mataika House Fiji
Leptospirosis	No	Yes	Suva Private Hospital Fiji
Measles	No	Yes	VIDRL Melbourne, AU
Rubella	No	EIA	VIDRL Melbourne, AU
Syphilis	Determine-TPHA, RPR TITRATION TPHA	No	
Tuberculosis	Direct smear-ZN stain	Limited culture/ID, sensi	IMVS Lab Adelaide, AU
Typhoid	Culture-ID, serotype	No	N/A

C. Shipping Information

Recommended L2/L3 Referral Lab(s)	Mataika House – FIJ; Qnsld. Health Scientific Serv.- Qnsland, AU; WHO-CC- Melbourne, AU; *IMVS Adelaide, AU
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Air Pacific, Air Nauru



COUNTRY: MARSHALL ISLANDS



LABNET DESIGNATION: L1

A: Contact/General Information

Laboratory Name	Majuro Hospital Laboratory
Lab Contact Name(s):	Mr Itibwerere
Lab Main Contact Address	Lab Supervisor Majuro Hospital P. O. Box 16, Majuro, Republic of Marshall Islands 96960
E-mail	zbamos@gmail.com
Ph	Phone :(692) 625 3399
Fax	Fax : (692) 625-4543
Sr. Tech/Other Contact	Mr Paul Lalita- Asst. Lab Supervisor
E-mail	paul.lalita@yahoo.com
Ph	
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Current Referral Lab Location
Chlamydia	Molecular Probetech	No	N/A
Cholera	Presumptive culture Serotyping	No	N/A
Dengue	PanBio-IgG/Igm	No	Univ. of Hawaii-Trop Med Dept, Hawaii, USA
Gonorrhoea	Culture/ID & Molecular ProbeTech	No	N/A
HIV	Determine; Unigold, Insti	Western Blot	Diagnostic Lab Services Hawaii, USA
Influenza	OSOM Rapid Test	PCR	Hawaii State Lab USA
Leptospirosis	No	No	N/A
Measles	No	Yes	Diagnostic Lab Services Honolulu
Rubella	No	Yes	Diagnostic Lab Services Honolulu
Syphilis	RPR, TPHA	No	N/A
Tuberculosis	Direct smear-ZN stain	Culture, ID, sensi	Diagnostic Lab Services Honolulu-Hawaii, USA
Typhoid	Culture/ID	No	N/A

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	*Diagnostic Lab Services; *University of Hawaii-Trop. Med Department; State Lab of Hawaii; All in Hawaii, USA; VIDRL Melbourne
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	United Airlines



COUNTRY: NAURU



LABNET DESIGNATION: L1

A: Contact/General Information

Laboratory Name	NAURU PUBLIC HEALTH LABORATORY
Lab Contact Name(s):	Ms Shanyko Benjamin– Officer in Charge
Lab Main Contact Address	Health Department Republic of Nauru
E-mail	
Ph	(674) 444 3160 / (674)557 3068
Fax	(674) 444 3199
Sr. Tech/Other Contact	Ms Shanyko Benjamin
E-mail	Shanyko.benjamin@nauru.gov.nr
Ph	(674)556 7195
Fax	
Laboratory Testing Performed	General lab testing, limited PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	No	DNA Probe	Queensland Medical Lab Queensland, AU
Cholera	Culture and sensitivity	No	N/A
Dengue	Panbio IgM	No	N/A
Gonorrhoea	No	DNA Probe	Queensland Medical Lab Queensland, AU
HIV	Abbott-Determine, Unigold and Insti	Confirmation, CD4 & Viral Load	Queensland Medical Lab Queensland, AU
Influenza	Binax-Rapid Test	PCR	WHOCC Melbourne
Leptospirosis	PanBio IgM	No	N/A
Measles	No	No	N/A
Rubella	No	No	N/A
Syphilis	Determine-TPHA, RPR Titre	No	Queensland Medical Lab Queensland, AU
Tuberculosis	Direct smear-ZN stain	None	N/A
Typhoid	No	Culture/ID, sensitivity	Queensland Medical Lab Queensland, AU

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	Qnsld. Health Scientific Serv., *Qnsld. Mycobacteria Ref Lab, *Qnsld Medical Lab, All in Brisbane, AU
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Air Nauru



COUNTRY: NORTHERN MARIANA ISLANDS**LABNET DESIGNATION:** L1**A: Contact/General Information**

Laboratory Name	Commonwealth Health Center Laboratory
Lab Contact Name(s):	
Lab Main Contact Address	Mr. Philip Dauterman, MD, Lab Director Commonwealth Health Center, Lower Navy Hill, P.O. Box 500409 CK,Saipan, MP 96950 USA - chclab@gmail.com (670) 234 8950
E-mail	chclab@gmail.com (670) 234 8950
Ph	(670) 234 8930/8612
Fax	Mr John Duenas, Clinical Lab Technician
Sr. Tech/Other Contact	chclab@gmail.com
E-mail	(670) 236-8395/96
Ph	(670) 236-8612
Fax	
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	No	GenProbe DNA	DLS Hawaii
Cholera	No	Serotyping	Diagnostic Lab Services Hawaii, USA
Dengue	No	EIA	Univ. of Hawaii-Trop Med Dept, Hawaii, USA
Gonorrhoea	No	No	Diagnostic Lab Services Hawaii, USA
HIV	No	EIA, Western Blot	Diagnostic Lab Services Hawaii, USA
Influenza	Quidel-Rapid Test	PCR	Diagnostic Lab Services Hawaii, USA
Leptospirosis	No	EIA, confirmation	Diagnostic Lab Services Hawaii, USA
Measles	No	EIA	Diagnostic Lab Services Hawaii, USA
Rubella	No	EIA	Diagnostic Lab Services Hawaii, USA
Syphillis	No	FTA	Diagnostic Lab Services Hawaii, USA
Tuberculosis	No	Culture, ID, sensi	Diagnostic Lab Services Hawaii, USA
Typhoid	No	No	Diagnostic Lab Services Hawaii, USA

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	*Diagnostic Lab Services; University of Hawaii-Trop. Med Department Hawaii, USA; *US Mil. Lab, Texas, USA
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	United Airlines & Freedom Air



COUNTRY: NIUE

LABNET DESIGNATION: L1

**A: Personnel/Contact Information**

Laboratory Name	NIUE FOOU HOSPITAL LABORATORY
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Lab Contact Name:

Pathologist/Manager	Andy Manu- Lab Technician
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Address	Niue Health Department P. O. Box 33, Alofi, Niue
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E-mail	health.pathology@mail.gov.nu
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Ph	(683) 4100
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Fax	(683) 4265
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Sr. Tech/Other Contact	Mr. Manila Nosa, Director of Health
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E-mail	Manila.Nosa@mail.gov.nu
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Ph	(683) 4100
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Fax	(683) 4265
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Laboratory Testing Performed	All general lab testing, limited PPHSN disease testing
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B: Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Test at L2 – L2 Location
Chlamydia	Rapid Test-Hexagon	DNA Probe	Lab Plus Auckland, NZ
Cholera	Presumptive culture	Confirmation ID	Lab Plus Auckland, NZ
Dengue	PanBio-IgG/IgM	Confirmation	No
Gonorrhoea	Presumptive culture, gram stain	Confirmation	Lab Plus Auckland, NZ
HIV	Determine, Unigold, Insti	CD4 & Viral Load	Lab Plus Auckland, NZ
Influenza	Quidel-Rapid Test	PCR	ESR NCID, Wellington NZ
Leptospirosis	No	Screen/Confirmation	Lab Plus Auckland, NZ
Measles	No	EIA	Lab Plus Auckland, NZ
Rubella	No	EIA	Lab Plus Auckland, NZ
Syphilis	RPR, TPHA	Titer	Lab Plus Auckland, NZ
Tuberculosis	Yes – ZN stain	No	N/A
Typhoid	Yes – presumptive culture	Culture-ID, serotyping	Lab Plus Auckland, NZ

C. Shipping Information

Recommended L2/L3 Referral Lab(s)	*Lab Plus, Auckland, NZ
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IATA certified shippers	No
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Airline/Cargo companies the lab uses to ship to L2/L3 lab	Air New Zealand
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COUNTRY: PALAU



LABNET DESIGNATION: L1

A: Contact/General Information

Laboratory Name	Belau National Hospital Laboratory
Lab Contact Name(s):	Mr Francis Termeteet - Lab Supervisor
Lab Main Contact Address	Medical Laboratory, Belau State Hospital P. O. Box 6027 Koror, Palau 96940
E-mail	kumeroritmaya@gmail.com
Ph	Phone: (680) 488 2552/4508
Fax	Fax: (680) 488 4503
Sr. Tech/Other Contact	Evelyn Tomokane
E-mail	(680) 488 2552
Ph	
Fax	
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	No	No	N/A
Cholera	No	No	N/A
Dengue	PanBio-IgM	No	Univ. of Hawaii-Trop Med Dept, Hawaii, USA
Gonorrhoea	No	No	N/A
HIV	Determine, Unigold, Insti	CD4 & Viral Load	Diagnostic Lab Services Hawaii, USA
Influenza	Fluorescent stain	PCR	CDC, Atlanta, USA or WHO-CC Melbourne, AU
Leptospirosis	PanBio-IgM	No	Diagnostic Lab Services Hawaii, USA
Measles	No	No	N/A
Rubella	No	No	N/A
Syphilis	RPR, Determine	No	N/A
Tuberculosis	Direct smear-ZN stain GeneXpert	Culture, ID, sensitivity	Diagnostic Lab Services Hawaii, USA
Typhoid	No	No	N/A

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	*Diagnostic Lab Services; *Univ of Hawaii-Trop. Med Dept Hawaii, USA; *CDC Atlanta, USA; WHO-CC Melbourne, AU
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	United Airlines



COUNTRY: PAPUA NEW GUINEA**LABNET DESIGNATION:** L1**A: Personnel/Contact Information**

Laboratory Name	CENTRAL PUBLIC HEALTH LABORATORY
Lab Contact Name:	Dr. Evelyn Lavu- Director-Central Public Health Laboratory
Pathologist/Manager Address	Port Moresby General Hospital, Free Mail Bag, Boroko, National Capital District, Papua New Guinea
E-mail	evelynlavu@daltron.com.pg
Ph	(675) 324 8146
Fax	(675) 325 6342
Sr. Tech/Other Contact	Mr Willie Porau-Lab Manager-Central Public Health Lab
E-mail	cphl@datec.net.pg ;
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	No	No	N/A
Cholera	Culture/ID, serotyping	No	N/A
Dengue	PanBio strips – IgM	Serotype, PCR	WHO Arbovirus Reference Centre, Brisbane, Australia.
Gonorrhoea	Culture/ID	No	N/A
HIV	Serodia, Determine, Capilus, Immunocomb, CD4 count	No	N/A
Influenza	Fluorescent stain	PCR	WHO-CC Melbourne, AU
Leptospirosis	No	EIA – confirmation	Qnsld. Health Scientific Serv. Queensland, AU
Measles	EIA-Dade	No	N/A
Rubella	EIA-Dade	No	N/a
Syphilis	VDRL, Murex-TPHA	No	N/A
Tuberculosis	Direct smear-ZN stain	Limited culture/ID, sensi	Qnsld. Mycobact. Ref. Lab Brisbane, AU
Typhoid	Culture/ID	No	N/A

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	Qnsld. Health Scientific Serv.-Queensland, AU; *Qnsld. Mycobact Ref Lab, Brisbane, AU; WHO-CC Melbourne, AU
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Air Niugini



COUNTRY: SAMOA

LABNET DESIGNATION: L1



A: Personnel/Contact Information

Laboratory Name	NATIONAL HEALTH LABORATORY
Lab Contact Name:	Ms Hinauri Leaupepe, Manager Laboratory Service
Pathologist/Manager Address	Samoa National Health Service Private Mail Bag, Apia, Samoa
E-mail	hinauril@nhs.gov.ws
Ph	(685) 66 651
Fax	(685) 23 592
Sr. Tech/Other Contact	Lupe Isaia
E-mail	lupei@nhs.gov.ws
Ph	
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	Molecular ProbeTech	No	N/A
Cholera	Presumptive culture	ID, confirmation	LabPlus Auckland, NZ
Dengue	PanBio strips – IgG/IgM	Confirmation	Mataika House, Fiji, WHO Arbovirus Reference Centre, Brisbane, Australia.
Gonorrhoea	Presumptive culture, gram stain Molecular ProbeTech	No	N/A
HIV	Determine, Unigold, Insti	Viral Load	LabPlus Auckland, NZ
Influenza	Rapid Test-Quidel, Fluorescent stain	PCR	ESR/NCBID Wellington
Leptospirosis	No	EIA	LabPlus Auckland, NZ
Measles	No	EIA	LabPlus Auckland, NZ
Rubella	No	EIA	LabPlus Auckland, NZ
Syphilis	RPR, TPPA		LabPlus Auckland, NZ
Tuberculosis	Direct smear-ZN stain,	Limited culture/ID, sensi	IMVS Adelaide, AU
Typhoid	Culture/ID	Phage typing	LabPlus and ESR NZ

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	Mataika House Fiji; *LabPlus Auckland, NZ; WHO ARbovirus Reference Centre, Brisbane, AU; *IMVS Adelaide, AU
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Air New Zealand, Air Pacific



COUNTRY: SOLOMON ISLANDS**LABNET DESIGNATION:** L1**A: Personnel/Contact Information**

Laboratory Name	NATIONAL REFERRAL HOSPITAL LABORATORY
Lab Contact Name:	
Pathologist/Manager	Mr. Alfred Dofai; Head of Medical Lab
Address	National Referral Hospital P. O. Box 349, Honiara, Solomon Islands
E-mail	labnrh@solomon.com.sb
Ph	(677) 23 600 ext 309
Fax	(677) 24 243 or 23 761
Sr. Tech/Other Contact	Mrs Violine Aruafu
E-mail	varuafu@yahoo.com
Ph	(677) 25 436
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	BD Probetec-DNA Probe	No	N/A
Cholera	Presumptive culture/ID	Culture confirmation, serotyping	Qnsld Hlth Sci Serv-Royal Brisbane Brisbane, AU
Dengue	PanBio strips – IgM/IgG	Serotype, PCR	WHO Arbovirus Reference Centre, Brisbane, Australia
Gonorrhoea	Gram stain, culture, BD Probetec-DNA Probe	No	N/A
HIV	Determine, Unigold, Insti	Viral Load	Qnsld Hlth Sci Serv-Royal Brisbane Brisbane, AU
Influenza	Fluorescent stain	PCR	WHO-CC Melbourne, AU
Leptospirosis	RDT	Screen, Confirmation	Qnsld Hlth Sci Serv Brisbane, AU
Measles	No	EIA	Qnsld Hlth Sci Serv-Royal Brisbane Brisbane, AU
Rubella	No	EIA	Qnsld Hlth Sci Serv-Royal Brisbane Brisbane, AU
Syphilis	RPR, TPHA	No	N/A
Tuberculosis	Direct smear-ZN stain	Limited culture/ID, sensi	IMVS Adelaide, AU
Typhoid	Culture/ID	Serotyping confirmation	Qnsld Hlth Sci Serv-Royal Brisbane Brisbane, AU

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	Qnsld Health Scientific Services, WHO Arbovirus Reference Centre, Brisbane, AU; *Royal Brisbane Hospital In Queensland, AU; *IMVS Adelaide, AU
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Solomon Airlines - Mr. Naphatali Ph. (677) 36071



COUNTRY: TOKELAU

LABNET DESIGNATION: L1

**A: Personnel/Contact Information**

Laboratory Name	HOSPITAL LABORATORY
Lab Contact Name:	
Pathologist/Manager Address	Dr. Silivia Tavite; Director of Health c/o Tokelau Apia Liaison Office P. O. Box 865, Apia, Samoa
E-mail	stdrtavite@gmail.com (690) 4211
Ph	(685) 21761 or (685) 29143
Fax	Dr Susana Letu
Sr. Tech/Other Contact E-mail	leihana@gmail.com
Laboratory Testing Performed	Limited general lab testing and PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	No	No	N/A
Cholera	No	Culture/ID	LabPlus or ESR, NZ Via Samoa National Hospital
Dengue	No	Confirmation	LabPlus or ESR, NZ Via Samoa National Hospital
Gonorrhoea	No	Culture	LabPlus or ESR, NZ Via Samoa National Hospital
HIV	Determine	Confirmation	LabPlus or ESR, NZ Via Samoa National Hospital
Influenza	Quidel-Rapid Test	PCR	ESR NCID, Wellington NZ Lab Plus NZ
Leptospirosis	No	No	N/A
Measles	No	No	N/A
Rubella	No	No	N/A
Syphilis	Determine	No	N/A
Tuberculosis		No	N/A
Typhoid	No	Culture	*LabPlus or ESR, NZ Via Samoa National Hospital

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	LabPlus, ESR, New Zealand Via Samoa National Hospital Lab
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	By Sea to Samoa and Air New Zealand (via Samoa National Hospital)



COUNTRY: TONGA

LABNET DESIGNATION: L1

**A: Personnel/Contact Information**

Laboratory Name	VAIOLA HOSPITAL LABORATORY
Lab Contact Name:	
Pathologist/Manager Address	Dr Seventeen Toumoua, Lab Manager/Pathologist Vaiola Hospital, P. O. Box 59 Nukualofa, Tonga
E-mail	tini.kavitu17@gmail.com
Ph	(676) 23 200 ext 1397 or (676) 862 3200
Fax	(676) 28 964
Sr. Tech/Other Contact	Mrs Telesia Apikotoa, Senior Medical Scientist/Quality Manager
E-mail	t.apikotoa@gmail.com
Ph	(676) 23 200 ext 345 or (676) 8623200
Fax	(676) 28 964
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	Molecular ProbeTech	No	N/A
Cholera	Presumptive culture	Serotyping	LabPlus Auckland, NZ
Dengue	Orgenics-IgM	Confirmation	WHO Arbovirus Reference Centre, Brisbane, AU
Gonorrhoea	Gram stain, culture	No	N/A
HIV	Determine, Unigold, Insti	CD4 & Viral Load	LabPlus Auckland, NZ
Influenza	Fluorescent stain	PCR	ESR/NCBID Wellington
Leptospirosis	PanBio-IgM	Confirmation	LabPlus Auckland, NZ
Measles	No	EIA	LabPlus Auckland, NZ
Rubella	No	EIA	LabPlus Auckland, NZ
Syphilis	Determine	TPA, FTA	LabPlus Auckland, NZ
Tuberculosis	Direct smear-ZN stain	No	LabPlus Auckland, NZ
Typhoid	Culture/ID	Yes	LabPlus Auckland, NZ

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	Mataika House Fiji; *LabPlus, ESR, New Zealand; Queensland Health Scientific Services Queensland, AU, WHO Abovirus Reference Centre, Brisbane, AU.
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Air New Zealand



COUNTRY: TUVALU

LABNET DESIGNATION: L1

**A: Personnel/Contact Information**

Laboratory Name	PRINCESS MARGARET HOSPITAL LABORATORY
Lab Contact Name:	
Pathologist/Manager	–Mr Felix Koakoa
Address	Sr. Lab Technician Ministry of Health-Health Department P. O Box 41, Funafuti, Tuval
E-mail	P. O Box 41, Funafuti, Tuval
Ph	(688) 20480
Fax	(688) 20481
Sr. Tech/Other Contact	Mr Felix Koakoa
E-mail	fkseluka@gmail.com
Ph	(688) 20480 – Mobile (688) 902884
Fax	(688) 20481
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	No	Yes	Mataika House Fiji
Cholera	No	No	N/A
Dengue	No	Screen	Mataika House Suva, Fiji
Gonorrhoea	No	Yes	Mataika House Fiji
HIV	Determine, Unigold, Insti, Confirmation	CD4 & Viral Load	Mataika House Suva, Fiji
Influenza	Quidel-Rapid Test	PCR	Mataika House Fiji
Leptospirosis	No	No	N/A
Measles	No	No	N/A
Rubella	No	No	N/A
Syphilis	VDRL	No	N/A
Tuberculosis	Direct smear-ZN stain	No	LabPlus, PPTC
Typhoid	No	ID, confirmation	CWM Hospital Suva, Fiji

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	Mataika House and *CWM Hospital Suva, Fiji
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Air Fiji



COUNTRY: VANUATU

LABNET DESIGNATION: L1

**A: Personnel/Contact Information**

Laboratory Name	PORT VILA CENTRAL HOSPITAL LABORATORY
Lab Contact Name:	
Pathologist/Manager Address	Mr. George Pakoa Laboratory Manager Vila Central Hospital Private Mail Bag 013, Port Vila, Vanuatu
E-mail	jgpakoa@vanuatu.gov.vu
Ph	(678) 22100
Fax	(678) 26721
Sr. Tech/Other Contact	Mr. Raymond Seule-Laboratory Officer
E-mail	rseule@vanuatu.gov.vu
Laboratory Testing Performed	General lab testing, PPHSN disease testing

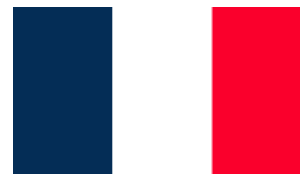
B: Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	Molecular Probetech	No	N/A
Cholera	Presumptive culture	Yes	Institute Pasteur New Caledonia / Fiji Mataika House
Dengue	PanBio-IgG/IgM	Confirmation	WHO Arbovirus Reference Centre, Brisbane, AU
Gonorrhoea	Gram stain, culture Molecular ProbeTech	No	Institute Pasteur New Caledonia
HIV	Determine, Unigold, Insti, Viral Load	No	
Influenza	Quidel-Rapid Test Fluorescent stain	PCR	WHOCC Melbourne
Leptospirosis	Elisa test	Screen	Institute Pasteur New Caledonia Queensland, AU
Measles	No	No	N/A
Rubella	No	No	N/A
Syphilis	TPHA, RPR, Titer	No	N/A
Tuberculosis	Direct smear-ZN stain	Limited culture/ID, sensi	Qnsld. Mycobact. Ref. Lab Brisbane, AU
Typhoid	Presumptive culture	Confirmation	Pasteur Institute New Caledonia

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	Pasteur Institute, New Caledonia; Qnsld. Health Sci Serv. Queensland, AU; *Qnsld. Mycobact Ref Lab, Brisbane, AU, WHO Arbovirus Reference Centre, Brisbane, AU
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Air Calin, Air Vanuatu



COUNTRY: WALLIS & FUTUNA**LABNET DESIGNATION:** L1**A: Personnel/Contact Information**

Laboratory Name	SIA HOSPITAL LABORATORY
Lab Contact Name:	
Pathologist/Manager Address	Dr. Denis Massenet, Biologiste Laboratoire Agence de Santé du Territoire des Iles Wallis et Futuna B.P. 4G, 98600 Mata-Utu, Wallis et Futuna
E-mail	
Ph	(681) 72 07 00
Fax	(681) 72 11 80
Sr. Tech/Other Contact E-mail	denis-massenet@adswf.org ; denis.massenet@yahoo.fr
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	EIA	No	N/A
Cholera	Culture/ID, serotyping	No	N/A
Dengue	Screen BioRad NS1 Antigen EIA & TDR, Panbio IGM EIA	PCR TYPING	Pasteur Institute New Caledonia
Gonorrhoea	Culture, ID	No	N/A
HIV	EIA: Elecsys and VIDAS	No	N/A
Influenza		PCR	Pasteur Institute New Caledonia
Leptospirosis	Panbio IgM EIA	Confirmation by MATT	Pasteur Institute New Caledonia
Measles	No	EIA	Pasteur CERBA Lab France
Rubella	VIDAS-EIA	No	Pasteur Institute New Caledonia
Syphilis	VDRL, TPHA	Confirmation	Pasteur Institute New Caledonia
Tuberculosis	No	Direct smear, culture, ID, sensi	Pasteur Institute New Caledonia
Typhoid	Culture/ID/Sensitivity	No	N/A

C: Shipping Information

Recommended L2/L3 Referral Lab(s)	Pasteur Institute, New Caledonia
IATA certified shippers	No
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Air Caledonie International (airline) TTI-SDV Noumea (Shipper Company)



SECTION 2

L2 LABORATORY SITES:

No.	Country/Territory
1	Mataika House Laboratory, Fiji
2	Institut Louis Malardé, French Polynesia
3	Guam Public Health Laboratory, Guam
4	Institut Pasteur, New Caledonia

Note: In this section, * indicates a commercial or government laboratory, not in the original PPHSN-LabNet list. These laboratories have been contracted by the country or jurisdiction and it is important to include them in the catalog for a complete understanding of all testing provisions available in the region.



COUNTRY: FIJI

LABNET DESIGNATION: L2



A: Contact/General Information

Laboratory Name	Fiji Centre for Communicable Diseases Control-Mataika House
Lab Contact Name(s):	
Lab Main Contact	Dr Mike Kama
Address	Mataika House, Building 30, Tamavua Hospital P.O. Box 1634, Suva, Fiji
E-mail	mnkama02@gmail.com
Ph	(679) 3 320 -066
Fax	(679) 3 322-714
Lab Manager Contact	Mr. Uraia Rabuatoka
E-mail	Ur777@live.com
Ph	(679) 3 320 066
Fax	(679) 3 320 344
Laboratory Testing Performed	Only PPHSN disease serology testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	ProbeTech molecular assay	No	N/A
Cholera	No	No	N/A
Dengue	PanBio-IgG/IgM RT-PCR - Serotype	Confirmation	Qnsld. Health Scientific Serv. Queensland, AU
Gonorrhoea	ProbeTech molecular assay	No	N/A
HIV	Determine, EIA-Enzygnost, Murex, Vironostika, Unigold, Insti	Confirmation	NRL Melbourne, AU
Influenza	RT-PCR	Genotyping, vaccine studies	WHO-CC- Melbourne, AU
Leptospirosis	PanBio IgM, RT-PCR	Confirmation	Qnsld. Health Scientific Serv. Queensland, AU
Measles	ELISA SIEMEN	No	
Rubella	ELISA SIEMEN	No	VIDRL, AU
Syphilis	No	No	Syphilis testing done at Fiji divisional hospitals
Tuberculosis	No	No	All Fiji TB testing performed at Tamavua Hospital, Fiji
Typhoid	No	No	N/A

C. Shipping Information

Recommended L2/L3 Referral Lab(s)	Pasteur Institute, New Caledonia; Qnsld. Health Sci Serv. Qnsld, AU; *Qnsld. Mycobact Ref Lab, Brisbane, AU; VIDRL, AU ; WHO-CC Melbourne, AU; CWM Hospital Suva, Fiji
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Williams & Goslings Ltd-Mr Peter Ahkee Fiji Airways



COUNTRY: FRENCH POLYNESIA**LABNET DESIGNATION:** L2**A: Contact/General Information**

Laboratory Name	Institute Louis Malarde Laboratoire d'Analyse de Biologie Médicale
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Lab Contact Name(s):

Lab Main Contact Address	Dr. Didier Musso, Médecin Biologiste B. P. 30 98713 Papeete, Tahiti, Polynésie française
E-mail	dmusso@ilm.pf
Ph	(689) 41 64 70
Fax	(689) 43 15 90
Sr. Tech/Other Contact	Mai Lormeau ; Dr Tuxuan Nhan
E-mail	mlormeau@ilm.pf ; tnhan@ilm.pf
Ph	(689) 41 64 32
Fax	

Laboratory Testing Performed	Full service lab testing-routine lab testing, full microbiology and TB, molecular testing, all PPHSN disease testing
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B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab – L2/L3 Location
Chlamydia	EIA, PCR	No	N/A
Cholera	Culture/ID, serotyping	No	N/A
Dengue	Panbio-IgM, viral culture, PCR - EIA	No	
Gonorrhoea	Culture/ID	No	N/A
HIV	EIA, PCR viral load,	No	N/A
Influenza	Quidel, fluorescent stain; PCR	PCR	WHO-CC Melbourne, AU
Leptospirosis	PanBio-IgM, whole blood or Sera, PCR	Typing	Laboratoire Cerba-France
Measles	WHO-IgM	No	N/A
Rubella	Biomerieux Vidas-IgG/IgM	No	N/A
Syphilis	RPR, TPH, VDRL	No	N/A
Tuberculosis	Direct smear-ZN stain, culture/ID, sensitivity	Genotyping	Laboratoire Cerba-France
Typhoid	Culture/ID	No	N/A

C. Shipping Information

Recommended L2/L3 Referral Lab(s)	WHO-CC Melbourne, AU; *Pasteur Institute Referral Labs France
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	Air France, Air Tahiti Nui, Air New Zealand



COUNTRY: GUAM

LABNET DESIGNATION: L2



A: Contact/General Information

Laboratory Name	Guam Public Health Laboratory
Lab Contact Name(s):	
Lab Main Contact Address	Mr. Alan John Mallari, Microbiologist II 123 Chalan Kareta Mangilao, Guam 96913
E-mail	alanjohn.mallari@dphss.guam.gov
Ph	Phone : (671) 735 7158
Fax	Fax : (671) 735 7158
Sr. Tech/Other Contact	Ms. Josie O'Mallan – BCDC Administrator
E-mail	Josephine.omallan@dphss.guam.gov or josieomallan@yahoo.com Phone: (671) 735 7142 or (671) 888 9276
	Ms. Mary Jean Jacar – Laboratory Consultant/Supervisor mjjjac@yahoo.com
Laboratory Testing Performed	General lab testing, PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab-L2/L3 Location
Chlamydia	GeneXpert (PCR)	No	N/A
Cholera	No	Yes	Diagnostic Lab Services Guam
Dengue	No	Confirmation-serology, PCR	CDC Dengue Reference Lab,Puerto Rico
Gonorrhoea	GeneXpert (PCR)	No	N/A
HIV	Biorad EIA	Western Blot, viral load, CD4	Diagnostic Lab Services Honolulu-Hawaii, USA
Influenza	Fluorescent stain QuickVue Flu A FluB Cepheid GeneXpert PCR- confirmatory	No	N/A
Leptospirosis	No	Confirmation-serology, PCR	WHO-CC, Melbourne, Australia
Measles	ELISA-Siemens	Confirm	CDC Atlanta, USA
Rubella	ELISA-Siemens	No	N/A
Syphilis	RPR, TPPA	No	N/A
Tuberculosis	Direct smear-ZN stain,	Additional sensitivity, typing	Diagnostic Lab Services Honolulu-Hawaii, USA
Typhoid	No	Yes	Diagnostic Lab Services Honolulu-Hawaii, USA

C. Shipping Information

Recommended L2/L3 Referral Lab(s)	*Diagnostic Lab Services; *Univ of Hawaii-Trop. Med Dept Hawaii, USA; *CDC Atlanta, USA; WHO-CC Melbourne, AU
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to ship to L2/L3 lab	United Airlines



COUNTRY: NEW CALEDONIA**LABNET DESIGNATION:** L2**A: Contact/General Information**

Laboratory Name	Pasteur Institute of New Caledonia
Lab Contact Name(s):	
Lab Main Contact Address	Dr Ann-Claire Gourinat – Medical Biologist Institut Pasteur de Nouvelle-Calédonie B.P. 61 98845 Noumea Cedex, Nouvelle Calédonie
E-mail	agourinat@pasteur.nc
Ph	(687) 27 02 85
Fax	(687) 27 33 90
Sr. Tech/Other Contact	Dr Sylvain Mermond- Medical Biologist
E-mail	smermond@pasteur.nc
Ph	(687) 27 75 32
Fax	
Laboratory Testing Performed	Full service lab testing-routine lab testing, full microbiology and TB, molecular testing, all PPHSN disease testing

B: PPHSN Target Disease Testing Information

Target Disease	Test Performed at Lab	Referred Test	Referral Lab – L2/L3 Location
Chlamydia	PCR, IgG IgA serology	No	N/A
Cholera	Culture/ID, serotyping	No	N/A
Dengue	Panbio IgM/IgG ELISA, PCR (detection – typing)	No	N/A
Gonorrhoea	Culture/ID, sensitivity, PCR detection	No	N/A
HIV	Serology ELISA, Immuno Blot, viral load-PCR, CD4/CD8	HIV subtyping and ARV resistance genotyping	Cerba Laboratories, Paris, France
Influenza	PCR (detection –subtyping)	Genotyping, vaccine studies	WHO-CC Melbourne
Leptospirosis	MAT (Microagglutination test), PCR	No	N/A
Measles	No	IgM-IgG	Cerba Laboratories, Paris, France
Rubella	BioMérieux Vidas-IgG/IgM serology	No	N/A
Syphilis	TPHA, VDRL, IgM ELISA serology	No	N/A
Tuberculosis	Direct smear-ZN stain, fluor. culture/ID, sensitivity	No	N/A
Typhoid	Culture/ID, sensitivity, serology	No	N/A

C. Shipping Information

Recommended L2/L3 Referral Lab(s)	WHO-CC Melbourne, AU; *Pasteur Institute Referral Labs, France
IATA certified shippers	Yes
Airline/Cargo companies the lab uses to	Air Calin, Freight forwarder : ACT Nouméa, Bruno



SECTION 3

L3 LABORATORIES:

No.	Country, City or State	Name Of Laboratory
1	Australia, Adelaide	*Institute of Medical and Veterinary Science (IMVS)
2	Australia, Victoria	National Serology Reference Laboratory (NRL)
3	Australia, Queensland	Queensland Health Forensic Scientific Services (QHFSS)
4	Australia, Queensland	*Queensland Mycobacterium Reference Laboratory (QMRL)
5	Australia, Queensland	*Queensland Medical Laboratories (QML)
6	Australia, Queensland	WHO Arbovirus Reference Centre (QUT)
7	Australia, Melbourne	Victoria Infectious Diseases Reference Laboratory (VIDRL)
8	Australia, Melbourne	WHO-Collaborating Center for Influenza (WHO-CC)
9	France	*Pasteur Institute
10	New Caledonia	Pasteur Institute (IPNC)
11	New Zealand, Porirua	Institute of Environmental Science and Research (ESR)
12	New Zealand, Auckland	*Lab Plus
13	USA, Atlanta	Centers for Disease Control Laboratories (CDC)
14	USA, Hawaii	*Diagnostic Lab Services (DLS)
15	USA, Hawaii	State of Hawaii Public Health Laboratory (HSL)
16	USA, Hawaii	*University of Hawaii-School of Tropical Medicine (UHTM)

*** Indicates a commercial or government laboratory, not in the original PPHSN-LabNet list. These laboratories have been contracted by the country or jurisdiction and it is important to include them in the catalog for a complete understanding of all testing provisions available in the region.**



L3 Laboratory: National Serology Reference Laboratory (NRL) Country: Australia

1. General Information

The National Serology Reference Laboratory (NRL), Australia, is a WHO Collaborating Centre for HIV and AIDS. One of its terms of reference is to provide a reference service for HIV and other laboratory testing for the Western Pacific region. In 2003 NRL conducted reference testing on more than 100 samples from the region. Most were HIV-reactive samples sent for confirmation, although increasing numbers of confirmatory tests were conducted for hepatitis C.

Further information about NRL can be found on its website: www.nrl.gov.au.

2. Testing Information

The range of tests conducted at NRL includes those for HIV, HCV and HTLV antibody and nucleic acid (DNA and RNA). NRL provides a reference testing service to Pacific Island countries and territories as part of its WHO Collaborating Centre role.

3. Contact Information

Ms. Sue Best – Director
National Serology Reference Laboratory, Australia
4th Floor, Healy Building
41 Victoria Parade
FITZROY VIC 3065
AUSTRALIA
Ph: +61 3 9418 1111
Fax: +61 3 9418 1155
E-mail: sue@nrl.gov.au

4. Specimen Requirements

Specimen labelling

A minimum of **TWO** identifiers attributable to the person from whom the sample has been collected are required for definite sample identification. Identifiers include the person's:

- a) full name or code (for reasons of confidentiality, a coded identifier is strongly recommended);
- b) date of birth; and
- c) hospital record number.

Test request card/form

A test request card signed and dated by a medical practitioner or other authorised person should accompany each specimen. **Test request cards** specific to NRL are available on request. The test request card asks for the following information:

- a) individual's name/code, gender, date and place of birth, and other relevant information;
- b) date and time of specimen collection;
- c) specimen type;
- d) sender's name and contact details;
- e) reason for testing;
- f) tests required; and
- g) previous NRL identifier, where applicable.

The provision of as much of this information as possible will allow us to better interpret the test results we obtain.

Specimens required and transportation conditions

Conditions during transportation must ensure that the integrity of the specimen is maintained. Refer to the table below for required specimen transportation times and conditions.



Analyte	Minimum specimen requirements
HCV antibodies HTLV-I/II antibodies HIV-1/2 antibodies	<ul style="list-style-type: none"> 1mL serum or plasma. Refrigerate during transit.
HIV p24 antigen	<ul style="list-style-type: none"> 1mL serum or plasma maintained at 4°C and transported to arrive at NRL within 7 days of collection. Refrigerate during transit. If this is not possible, store sample at -20° or below and transport on dry ice.
HIV and HTLV DNA	<ul style="list-style-type: none"> Dedicated 5–10mL whole blood specimen collected into EDTA or ACD. Transport at 4–25°C to arrive at NRL preferably within 5 days but up to 28 days after collection.* In addition, an appropriate specimen for antibody testing (see above) must be supplied except when arranged otherwise with NRL.
Dried blood/serum spot (HIV-1, HCV antibodies) <i>Results to be used for investigational purposes only. Could be used for epidemiological studies.</i>	<ul style="list-style-type: none"> One drop of whole blood/serum to completely fill a circle (1cm diameter), on Schleischer & Schuell 903 filter paper. Transport at ambient temperature (15–25°C) with desiccant.
HCV RNA	<ul style="list-style-type: none"> 5mL whole blood transported to NRL within 24 hours of collection. 1.2mL plasma separated from cells using aseptic techniques and transported to NRL at ambient temperature (15–25°C) within 24 hours of collection. 1.2mL plasma separated from cells using aseptic techniques, frozen and then transported to NRL on dry ice if longer than 24 hours after collection.

* Timely arrival of samples for **DNA** detection is recommended. However, NRL has conducted an extensive study that validated satisfactory recovery of DNA from whole blood samples that had been stored at various temperatures for a period greater than 1 month, using the nucleic acid extraction technique employed at NRL.

5. Shipping Instructions

Packaging

Specimens that are sent by airfreight must comply with the following conditions:

- The sample should be packed and shipped in accordance with the relevant sections of the IATA Regulations for transport of biological specimens. NRL can assist with these procedures.
- For specimens referred from outside Australia, a copy of the NRL import permit and customs declaration should be attached to the parcel. A copy of the import permit and customs declaration template will be faxed on request.
- The parcel should be addressed to:

Ms. Sue Best – Director
National Serology Reference Laboratory, Australia
4th Floor, Healy Building
41 Victoria Parade
FITZROY VIC 3065
AUSTRALIA
Ph: +61 3 9418 1111
- Notification: For overseas and interstate specimens, it is advisable to inform NRL of the pending arrival of a parcel, quoting:
 - airway bill number;
 - flight number; and
 - estimated time of arrival.

Our contact numbers are: +61 3 9418 1111 (phone) and +61 3 9418 1155 (fax). Please contact NRL if you have any queries with regard to confirmatory testing and specimen requirements.



L3 Laboratory: Queensland Health Forensic Scientific Services (QHSS) Country: Australia

1. Testing Information

Leptospirosis

- PCR – bacterial DNA detection
- MAT – serological detection and serotyping
- Serum 0.2mL minimum volume
- Frozen or +4°C (frozen preferred)

Note: This testing is performed by Lee Smythe of the WHO/FOI Leptospirosis Collaborating Centre, which is located in an adjoining laboratory.

We can also perform testing for SARS and rabies/Australian bat lyssavirus, Hendra/Nipah and a variety of exotic viral diseases where such requests are medically warranted and requested by senior medical officers in the Departments of Health of Pacific Island countries.

We are prepared to test several hundred specimens without charge to help public health officials confirm or control a community outbreak – providing the testing requested is scientifically/medically justified and consistent with prevailing WHO guidelines.

2. Specimen Instructions

For all samples

Required information: Patient name; date of birth; referring lab identifying number

Preferred information (in addition to above): Sex, date of onset, date of collection, recent vaccination, recent overseas travel history

3. Contact Information

Frederick Moore – molecular testing, or **Alyssa Pyke** – virology, culture and genotype testing, or **Carmel Taylor** – serology testing

Public Health Virology

Queensland Health Forensic Scientific Services

39 Kessels Road

COOPERS PLAINS QLD 4109

AUSTRALIA

Ph: +61 7 3274 9151

Fax: +61 7 3000 9186

E-mail: frederick_moore@health.qld.gov.au/ alyssa_pyke@health.qld.gov.au

carmel_taylor@health.qld.gov.au

Additional information regarding the services provided by QHSS can be obtained at its website:

www.health.qld.gov.au/qhps/scientific.asp.

4. Specimen Shipping Instructions

Guidelines for sending serum samples to QHSS (arboviruses and leptospirosis)

The Australian Quarantine and Inspection Service (AQIS) has indicated that it intends to strictly enforce the regulations regarding the transport of all material (including diagnostic specimens) into Australia. Unless all of the documentation has been completed correctly and the samples have been packaged according to IATA guidelines, they will refuse to release the material.

These requirements are in addition to what the airline may require. You will need to fulfil all of the requirements of the airline as well as those listed below.



- All documentation must be signed (it is not sufficient to type your name).
- A list of the contents (called a 'Suppliers Declaration') AND a copy of a current import permit must be affixed to the outside of the container (it is a good idea to include a copy on the inside as well). The documents attached on the outside of the package should be in an envelope with the label '**Attention Quarantine**'.
- The Suppliers Declaration to be included in the envelope must clearly state the number of vials, and the approximate volume and the contents of each vial (**refer to sample label below**).

Suppliers Declaration

To: Frederick Moore (*or L. Smythe for lepto*)
 Queensland Health Scientific Services
 39 Kessels Road
 COOPERS PLAINS QLD 4109
 AUSTRALIA
 Ph: +61 7 3274 9151 (*or +61 7 3274 9064 for Lee Smythe*)

AQIS permit number (contact the laboratory to obtain the current AQIS permit number to use)

The package contains a total of 7 vials consisting of:
 4 x vials each containing 0.5mL of human serum for diagnostic purposes
 3 x vials each containing 1.0mL of human serum for diagnostic purposes

Tests requested: Dengue exclusion (*or lepto or other arbovirus*)

Signature

Joe Bloggs
 Scientist-in-charge
 A Pacific Island Country Health Facility
 Phone number: _____ Fax number: _____

It is important that you state that the samples are:

- 1. human serum; and**
- 2. for diagnostic purposes.**

Before you send a package, it is advisable that you notify the laboratory (either the virology laboratory or the WHO leptospirosis lab) by either e-mail, fax or telephone so that we can alert our customs agents that we are expecting a package. It is important that we know the airway bill number, the flight information and as much detail as you can provide about the number of samples, their volumes, what tests are requested (lepto, dengue or other arbovirus) and where the results should be forwarded. **Refer to contact information in Section 3 above.**

While it is an onerous and expensive task to package up specimens and send them to Australia, I can assure you that it is as equally as time consuming and expensive to get the samples cleared through quarantine once they arrive in Australia.

It would be a tragedy if irreplaceable diagnostic samples were destroyed by AQIS because of a lack of signature or documentation. By following these guidelines you may also avoid the samples being delayed several days while we 'jump through the regulatory hoops'.



L3 Laboratory: WHO Arbovirus Reference Centre Country: Australia

1. Testing Information

Dengue (Arbovirology)

- RT-PCR – detection of dengue (arbovirus) RNA
- Detection of IgM/IgG.
- Serum 0.2mL minimum volume
- Frozen or +4°C (frozen preferred)

We are prepared to test 50-100 specimens to help public health officials confirm or control a community outbreak – providing the testing requested is scientifically/medically justified and consistent with prevailing WHO guidelines.

2. Specimen Instructions

For all samples

Required information: Patient name; date of birth; referring lab identifying number

Preferred information (in addition to above): Gender, date of onset, date of collection, recent overseas travel history

3. Contact Information

John Aaskov

WHO Arbovirus Reference Centre
Institute of Health and Biomedical Innovation
Queensland University of Technology
60 Musk Avenue
KELVIN GROVE QLD 4059
AUSTRALIA
Ph: +61 7 3138 6193
Fax: +61 7 3138 6030
E-mail: j.aaskov@qut.edu.au

4. Specimen Shipping Instructions

Guidelines for sending serum samples to QUT

The Australian Quarantine and Inspection Service (AQIS) has indicated that it intends to strictly enforce the regulations regarding the transport of all material (including diagnostic specimens) into Australia. Unless all of the documentation has been completed correctly and the samples have been packaged according to IATA guidelines, they will refuse to release the material.

These requirements are in addition to what the airline may require. You will need to fulfil all of the requirements of the airline as well as those listed below.

- All documentation must be signed (it is not sufficient to type your name).
- A list of the contents (called a 'Suppliers Declaration') AND a copy of a current import permit must be affixed to the outside of the container (it is a good idea to include a copy on the inside as well). The documents attached on the outside of the package should be in an envelope with the label '**Attention Quarantine**'.
- The Suppliers Declaration to be included in the envelope must clearly state the number of vials, and the approximate volume and the contents of each vial (**refer to sample label below**).



Suppliers DeclarationTo: **John Aaskov**

WHO Arbovirus Reference Centre
 Institute of Health and Biomedical Innovation
 Queensland University of Technology
 60 Musk Avenue
 KELVIN GROVE QLD 4059
 AUSTRALIA
 Ph: +61 7 3138 6193
 Fax: +61 7 3138 6030
 E-mail: j.aaskov@qut.edu.au

AQIS permit number (contact the laboratory to obtain the current AQIS permit number to use)

The package contains a total of X vials consisting of:

Y x vials each containing 0.5mL of human serum for diagnostic purposes

Z x vials each containing 1.0mL of human serum for diagnostic purposes

Tests requested:

Signature

Joe Bloggs

Scientist-in-charge

A Pacific Island Country Health Facility

Phone number:

Fax number:

It is important that you state that the samples are:

3. human serum; and

4. for diagnostic purposes.

Before you send a package, it is advisable that you notify the laboratory by either e-mail, fax or telephone. It is important that we know the airway bill number, the flight information and as much detail as you can provide about the number of samples, their volumes, what tests are requested and where the results should be forwarded. **Refer to contact information in Section 3 above.**

While it is an onerous and expensive task to package up specimens and send them to Australia, I can assure you that it is as equally as time consuming and expensive to get the samples cleared through quarantine once they arrive in Australia.

It would be a tragedy if irreplaceable diagnostic samples were destroyed by AQIS because of a lack of signature or documentation. By following these guidelines you may also avoid the samples being delayed several days while we 'jump through the regulatory hoops'.



L3 Laboratory: Victorian Infectious Diseases Reference Laboratory (VIDRL) Country: Australia

1. General Information

VIDRL is the WHO national poliovirus reference laboratory for the Pacific Island countries and territories (PICTs), in addition to its role as a regional poliovirus reference laboratory for the Western Pacific region. VIDRL is also a WHO Western Pacific regional reference laboratory for measles.

VIDRL is a WHO Collaborating Centre for virus reference and research and biosafety.

VIDRL is the HIV reference laboratory and the mycobacterium reference laboratory for the state of Victoria and is a WHO National Influenza Centre. The laboratory has a strong research programme in hepatitis B and C. It provides a routine diagnostic service to a number of Victorian sexual health clinics and has rapid diagnostic assays for chlamydia, gonorrhoea and syphilis.

Further details about VIDRL activities are available at www.vidrl.org.au.

VIDRL provides a LabNet Level 3 service to PICTs as part of its WHO regional reference laboratory role. The VIDRL website has details of relevant contact people, specimen collection and transportation. These are reproduced in part below.

The WHO role of VIDRL includes testing for polioviruses from all patients with acute flaccid paralysis, and testing for measles virus in suspected cases or outbreaks. The differential diagnosis of measles testing includes testing for rubella and human parvovirus. In general, VIDRL will test 10–20 specimens from an outbreak at no cost, but transport to VIDRL needs to be arranged and paid for by the referring laboratory. Results are sent by e-mail or fax whenever possible, with a paper copy to follow.

VIDRL scientists are pleased to provide advice on other diseases for which the laboratory has reference functions (HIV, TB, influenza) or research (HBV, HCV) or diagnostic (sexually transmitted infections) programmes. VIDRL also has a small Epidemiology Unit and would be pleased to be involved in collaborative laboratory-supported studies with PICTs.

For general inquiries, initial contact should be made with:

Dr Mike Catton, Director

E-mail: mike.catton@mh.org.au

Ph: +61 3 9324 2636

or

Dr Heath Kelly, Chief Epidemiologist

E-mail: heath.kelly@mh.org.au

Ph: +61 3 9342 2608

Additional information regarding the services provided by VIDRL can be obtained at the website:

<http://www.vidrl.org.au/>.

2. Polio Testing

For specific enquiries about poliovirus testing, contact should be made directly with the laboratory. It is important to contact the laboratory prior to each shipment.

To contact the polio testing laboratory

Dr Bruce Thorley

Poliovirus Reference Laboratory

VIDRL

10 Wreckyn Street

NORTH MELBOURNE VIC 3051

AUSTRALIA

Ph: +61 3 9342 2607 (laboratory enquiries); +61 3 9342 2600 (24-hour contact number)

Fax: +61 3 9342 2665

E-mail: polio@mh.org.au



All specimens from AFP cases and enterovirus isolates for testing and identification should be forwarded to the poliovirus reference laboratory at VIDRL. Samples must be safely packaged to ensure that there is no leakage in transit. Sufficient ice bricks should be included to keep the contents chilled in case of delays in delivery. Include a label 'Shipment to be kept at 4°C whenever possible'.

Shipments sent by air must adhere to airline safety regulations as specified for:

- diagnostic specimens IATA packing instruction 650; and
- infectious substance IATA packing instruction 602.

For further details on shipping, refer to Section 4 below or contact VIDRL.

3. Measles Testing

For specific inquiries about measles virus or serological testing, contact should be made directly with the laboratory. It is important to contact the measles testing laboratory prior to each shipment.

To contact the measles testing laboratory:

Senior Scientist
Measles Reference Laboratory
VIDRL
10 Wreckyn Street
NORTH MELBOURNE VIC 3051
AUSTRALIA
Ph: +61 3 9342 2600
Fax: +61 3 9342 2660
E-mail: measles@mh.org.au

VIDRL receives specimens for serological and molecular confirmation of measles virus infection. Clinical specimens such as serum (serology) and throat swabs (molecular analysis) are preferred. Virus isolates and extracted RNA are also acceptable for molecular analysis.

4. Shipping Instructions

All specimens must be packed strictly in accordance with airline and IATA regulations for shipping biological specimens:

- diagnostic specimens – IATA packing instruction 650
- infectious substances – IATA packing instruction 602.

For further details on shipping, refer to the **WHO guidelines for safe transport:** http://www.who.int/emc/pdfs/emc97_3.pdf.

Virus isolates and clinical specimens arriving from outside Australia will require an Australian Quarantine Inspection Service (AQIS) import permit, which is available upon request. A copy (fax or photocopy is acceptable) of the import permit **MUST BE INCLUDED** with the shipping documents and the package.

Please contact the Senior Scientist to obtain a valid import permit, using the appropriate contact information above.



L3 Laboratory: WHO Collaborating Centre for Influenza – Melbourne (WHO-CC) Country: Australia

1. General Information

The WHO Influenza Centre in Melbourne is one of four worldwide collaborating centres for influenza. The others are located in London, Atlanta and Tokyo. They are reference centres for human influenza, and supplement national influenza centres and diagnostic laboratories. The centres are the cornerstones of the WHO Global Influenza Surveillance Programme, which is administered by WHO in Geneva along with regional WHO offices (e.g. WPRO in Manila and Suva). For more information, see the website: <http://www.who.int/csr/disease/influenza/en/>.

WHO-CC in Melbourne provides a LabNet Level 3 service for human influenza diagnosis and surveillance to PICTs as part of its WHO regional reference laboratory role. The centre's website has details of relevant contact people and location.

For further details, see www.influenzacentre.org.

2. Contact Information

Contact persons

Proff Ann Kelso

Director

Dr Ian Barr

Deputy Director

E-mail: Ian.Barr@influenzacentre.org

Dr Patrick Reading

Senior Virologist

E-mail: Patrick.Reading@influenzacentre.org

Ms Jayde Simpson

Logistics Officer

Jayde.simpson@influenzacentre.org

Shipping address

Scientist in charge

WHO Influenza Centre

10 Wreckyn street

North Melbourne 3051

Victoria

AUSTRALIA

Direct Ph: +61 3 9342 3944

Center Ph: +61 3 9342 3900

Fax: +61 3 9342 3939

Mobile: +61 434 075 677

Note: Please contact WHO-CC before shipping any specimens.

3. Testing Information

Tests available

Only tests related to influenza are performed at the centre. These include: rapid testing (kits), immunofluorescence, virus isolation (cells and eggs), haemagglutination inhibition assays, serum neutralisation assays, RT-PCR, sequencing (selected strains only) and neuraminidase inhibitor drug sensitivity.



4. Specimen Requirements

Samples required

A variety of respiratory samples are suitable for influenza virus detection/isolation. Preferred samples are NPA (nasopharyngeal aspirates), nasal swabs or washes, followed by throat washes or swabs. Laboratory isolates (from cells or eggs) are also satisfactory, and if possible the original clinical sample should either be retained or transported as well.

Maximum number of samples

The centre processes influenza surveillance samples without charge to the submitting laboratory. Shipments of up to 30 samples from each outbreak are acceptable. Testing of further samples and testing of sera will be done at the centre's discretion.

Minimum volume

The minimum volume required for aspirates/washes is around 0.5ml. Swabs should be sent whole. Cell or egg cultured viruses should also be around a minimum of 0.5ml. A suitable viral transport medium (VTM) will increase the isolation rates from shipped clinical samples. The VTM may be a proprietary product or simply saline or PBS with 0.25% gelatin or 0.5% BSA added.

Required patient/sample details

- ID: Lab number or ID number or name
- Sample: Date of sample, type of sample (NPA, throat wash, viral culture, etc.)
- Patient details: Age, sex, date of disease onset, immunisation status, relevant clinical details

5. Shipping Instructions

Shipping conditions

As a minimum, samples should be sent on ice bricks (not wet ice) for receipt within 3 days of shipping. It is preferable to use dry ice if it is available and if shipping can be completed within a few days. If samples are frozen, sufficient dry ice should be added to ensure the samples will not be thawed by the time they arrive at the centre in Melbourne. It is recommended that the sender discuss the method of shipping with the centre before shipping samples.

Shipping costs

Preferably at sender's own cost, but with agreement of the centre, transport costs may be met by WHO-CC or shared. ANY payment of shipping costs by WHO-CC must be agreed PRIOR to shipping of samples/isolates.

Administration/customs information

ALL samples sent to WHO-CC from outside Australia MUST have:

1. a customs declaration of imported goods (description of goods, volume, quantity, statement of value, packed according to IATA guidelines, diagnostic specimens not for commercial use, country of origin) on your own letterhead; and
2. the Centre's AQIS import permit.

A template for 1 and a pdf copy of 2 can be e-mailed to the laboratory (or copies can be faxed) prior to the shipping. The forms MUST accompany the package. These documents are on the centre's website: www.influenzacentre.org.

All diagnostic specimens must be packaged according to IATA 650 guidelines (or P650).

All infectious substances must be packaged according to IATA 620 guidelines (or P620).

For packing instructions, see the **WHO guidelines for safe transport**:

http://www.who.int/csr/resources/publications/biosafety/en/WHO_CDS_CSR_LYO_2004_9Final.pdf.

Include AQIS customs import permit, and label box with appropriate storage conditions.



SECTION 4

KEY LABNET CONTACTS:

Pacific Island Health Officers Association (PIHOA)

Ms. Vasiti Uluiviti vasitiu@pihoa.org

Regional Laboratory Coordinator - for US Pacific Islands

Pacific Paramedical Training Centre (PPTC)

Mr Phil Wakem pptc@pptc.org.nz

Director PPTC Wellington

Secretariat of the Pacific Community (SPC)

Ms. Salanieta Elbourne salae@spc.int

Team Leader, Laboratory Strengthening

Mr Tebuka Toatu tebukat@spc.int

Laboratory Specialist for HIV & STI

World Health Organization (WHO)

Dr. Eric Nilles Nillese@wpro.who.int

Emerging Disease Surveillance & Reponse Unit

Pacific Technical Support Division, WHO, Suva, Fiji

Dr Karen Nahapetyan Nahapetyank@wpro.who.int

Technical Officer (Laboratory)

Pacific Technical Support Division, WHO, Suva, Fiji

