



PPHSN LabNet catalog - *2013 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 | Asst. Lab Manager Medical Laboratory LBJ Tropical Medical Center, Pago Pago USA |
| E-mail | |
| 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 |

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 Laboraotry |
| 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): | |
| Lab Main Contact Address | Mr. Kasian Otoko - Lab Supervisor 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): | |
| Lab Main Contact Address | Mr. Herbert Johnny - Lab Supervisor 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 | QHSS |
| 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 |
| 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): | |
| Lab Main Contact Address | Mr. Paul Lalita - Lab Supervisor Majuro Hospital P. O. Box 16, Majuro, Republic of Marshall Islands 96960 |
| E-mail | paul_lalita@yahoo.com |
| Ph | Phone : (692) 625 3399 |
| Fax | Fax : (692) 625-4543 |
| Sr. Tech/Other Contact | Ms. Kinisalote Tikomaidraubuta - Asst. Lab Supervisor |
| E-mail | kinitiko@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): | |
| Lab Main Contact Address | Mr. Jiosese Mailulu – Officer in Charge Health Department Republic of Nauru |
| E-mail | Jiosese.mailulu@nauru.gov.nr |
| 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 - |
| 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 |
| Syphilis | 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 |
|------------------------|-------------------------------|

Lab Contact Name:

| | |
|----------------------------|---------------------------|
| Pathologist/Manager | Andy Manu- Lab Technician |
|----------------------------|---------------------------|

| | |
|----------------|---|
| Address | Niue Health Department P. O. Box 33, Alofi, Niue |
|----------------|---|

| | |
|---------------|--|
| E-mail | health.pathology@mail.gov.nu |
|---------------|--|

| | |
|-----------|------------|
| Ph | (683) 4100 |
|-----------|------------|

| | |
|------------|------------|
| Fax | (683) 4265 |
|------------|------------|

| | |
|-------------------------------|-------------------------------------|
| Sr. Tech/Other Contact | Mr. Manila Nosa, Director of Health |
|-------------------------------|-------------------------------------|

| | |
|---------------|--|
| E-mail | Manila.Nosa@mail.gov.nu |
|---------------|--|

| | |
|-----------|------------|
| Ph | (683) 4100 |
|-----------|------------|

| | |
|------------|------------|
| Fax | (683) 4265 |
|------------|------------|

| | |
|-------------------------------------|--|
| Laboratory Testing Performed | All general lab testing, limited PPHSN disease testing |
|-------------------------------------|--|

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 |
|--|-------------------------|

| | |
|--------------------------------|----|
| IATA certified shippers | No |
|--------------------------------|----|

| | |
|--|-----------------|
| Airline/Cargo companies the lab uses to ship to L2/L3 lab | Air New Zealand |
|--|-----------------|



COUNTRY: PALAU



LABNET DESIGNATION: L1

A: Contact/General Information

| | |
|-------------------------------------|--|
| Laboratory Name | Belau National Hospital Laboratory |
| Lab Contact Name(s): | |
| Lab Main Contact Address | Mr Francis Termeteet - Lab Supervisor 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 | |
| Ph | (680) 488 2552 |
| 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: | |
| Pathologist/Manager Address | Dr. Evelyn Lavu- Director-Central Public Health Laboratory 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: | |
| Pathologist/Manager Address | Mr. Vaomalo Kini, Manager Laboratory Service Samoa National Health Service Private Mail Bag, Apia, Samoa |
| E-mail | VaomaloK@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 | leihana@gmail.com |
| E-mail | |
| 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 | tinkavitu17@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 | Ms Silvia Rosova - Sr. Lab Technician |
| Address | Ministry of Health-Health Department P. O Box 41, Funafuti, Tuvalu |
| E-mail | Silvia_rsv@yahoo.com |
| Ph | (688) 20480 |
| Fax | (688) 20481 |
| Sr. Tech/Other Contact | Mr Felix Koakoa |
| E-mail | fkسلuka@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 | Mr. George Pakoa Laboratory Manager |
| Address | 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 |

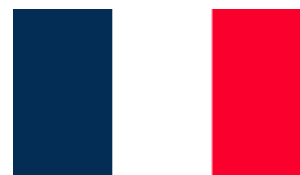


Airline/Cargo companies the lab uses to ship to L2/L3 lab

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 | Institute Louis Malarde, French Polynesia |
| 3 | Guam Public Health Laboratory, Guam |
| 4 | Institute 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 Address | Dr. Eric Rafai ; Dr Mike Kama Mataika House, Building 30, Tamavua Hospital P.O. Box 1634, Suva, Fiji |
| E-mail | eric.rafaif@govnet.gov.fj ; 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 |
| 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 |

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 | aqourinat@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:

- full name or code (for reasons of confidentiality, a coded identifier is strongly recommended);
- date of birth; and
- 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:

- individual's name/code, gender, date and place of birth, and other relevant information;
- date and time of specimen collection;
- specimen type;
- sender's name and contact details;
- reason for testing;
- tests required; and
- 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 (QHFSS) 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 QHFSS 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

