

Guam Public Health Lab Update on Regional Lab Testing Services

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Current Public Health Lab Test Menu

Tests available at GPHL to detect diseases:

- Chikungunya (CDC Trioplex PCR)
- Chlamydia/Gonorrhea (CT/NG PCR)
- Dengue (CDC Trioplex PCR; Serotyping PCR)
- Hansen's Disease (MIBI Leprosy Test)
- Influenza A and B (Subtyping PCR)
- Leptospirosis (Leptorapide Agglutination Test)
- Measles, IgM (Rubeola, ELISA; WHO Euroimmun)
- Mycobacterium tuberculosis (AFB Smear, MTB-RIF NAAT)
- Respiratory syncytial virus (RSV; XPRESSFLU/RSV PCR)
- Rubella, IgM (German Measles; WHO Euroimmun)
- Sexually transmitted diseases, i.e. HIV, Syphilis
- Zika (CDC Trioplex PCR)



USAPI Regional Lab Testing Services

- Testing services provided for the USAPI labs
 - Dengue serotyping, Influenza subtyping, Measles/Rubella IgM, Chikungunya/Zika Trioplex
- Most common test requested
 - 2018 Zika Trioplex, 2019 Dengue serotyping, Annual Influenza subtyping
- USAPI labs utilizing GPHL services
 - Yap, CNMI, Palau, Chuuk, and Pohnpei
- Future test services for the USAPI labs
 - Dengue IgM, Zika IgM



Benefits of Testing at GPHL

- CLIA-regulated laboratory
- Lower volume of test volume compared to Hawaii State Lab(HSL)
- Shorter turn-around-time of test results
- Cost savings for USAPIs
 - ~\$130 per shipment vs \$200 per shipment to HSL



Support for GPHL Regional Services

Considering GPHL's annual supplies budget/stock is sufficient only for Guam's preparedness and test volume for its island community:

- Propose to increase PIHOA's LRF to \$6,000 to cover GPHL testing expenses:
 - \$3,000 per jurisdiction into the PIHOA LRF to support specimen transport
 - \$3,000 per jurisdiction into the PIHOA LRF to support GPHL specimen testing
- MOA/MOU between USAPIs and Guam DPHSS in-kind and or in-agreement to a proposed replenishment of funds up to \$3,000 per year:
 - Shall be used for the payments of expenses for at least 50 specimen testing
 - GPHL's estimate cost per test = \$60.00 (human resource, PM, QC, test volume and TAT)

