



BOARD LETTER: AUTHORIZE SINGLE SOURCE CONTRACTS AND AMENDMENTS TO EXISTING CONTRACTS FOR THE PUBLIC HEALTH LABORATORY

Epidemiology and Immunizations Services Branch

Public Health Laboratory

January 2, 2024





Mission Statement: Providing quality laboratory services to protect community health and prevent the spread of disease.

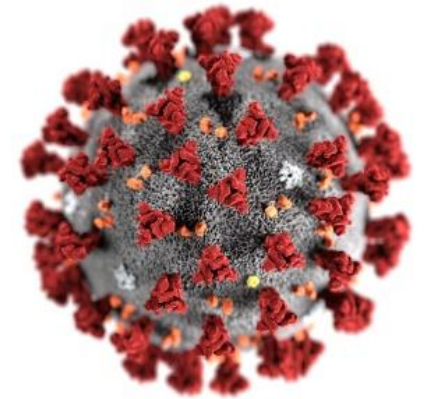
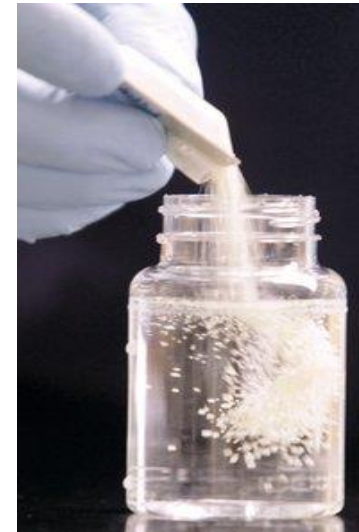
- The Public Health Laboratory (PHL) works in conjunction with public health clinics, local hospitals and healthcare providers, the Public Health Service's Epidemiology Unit, Tuberculosis Control and Refugee Health Branch, and the Department of Environmental Health and Quality.
- By analyzing clinical and environmental samples, the PHL participates in the core activities of **surveillance**, **assessment**, and **assurance**.





TYPES OF LABORATORY SERVICES

- **ENVIRONMENTAL TESTING**
 - Drinking water testing
 - Beach water testing – ddPCR and Culture
- **CLINICAL TESTING**
 - Enteric Disease (e.g., Salmonella, Shigella, STEC)
 - STDs (HIV, chlamydia, gonorrhea)
 - Vaccine Preventable Diseases (i.e., measles, mumps)
 - Tuberculosis testing and COVID Testing
- **BIOTERRORISM PREPAREDNESS (BSL-3)**
 - Clinical and Environmental Samples
 - Detect Select Agents (i.e., anthrax, plague, ricin toxin)
- **OTHER**
 - BioWatch Program – Environmental Air Sampling
 - Rabies and Sequencing



PUBLIC HEALTH LABORATORY STATUS



Coming in Spring of 2025!

- February 2022 Public Health Laboratory closed.
- The new Laboratory will be approximately 52,000 square feet, more than double the space of the previous laboratory.
- New Laboratory Features: Wastewater Surveillance, Further Sequencing, Training Facility, Surge Laboratory and State-of-the-Art BSL-3 Lab(s).
- Public Health Laboratory has obtained \$5.3M in Grant Funding to offset for critical equipment.

SINGLE SOURCE CONTRACT



LIVE WELL
SAN DIEGO

 **Abbott**
Diagnostics

BIO-RAD


BIOMÉRIEUX




QIAGEN

illumina[®]

 **fisher scientific**
part of Thermo Fisher Scientific

 Oxford
NANOPORE
Technologies



SINGLE SOURCE CONTRACTS – DETAILS



Abbott Laboratories

- Alinity Series Instrumentation, Maintenance, and Consumables
- Open system assay testing for items such as Syphilis, HIV, Hepatitis B and C, HPV, and STI among others

bioMérieux – BioFire Diagnostics

- BioFire Instrumentation, Maintenance, and Consumables
- Syndromic approach for detection and identification of respiratory, gastrointestinal, and other bacterial, viral, and fungal infections

Bio-Rad Laboratories

- QX Instrumentation, Maintenance, and Consumables
- Water testing droplet digital Polymerase Chain Reaction (ddPCR).
- ddPCR equipment to conduct wastewater surveillance

SINGLE SOURCE CONTRACTS – DETAILS



illumina Inc

- Sequencing Instrumentation, Maintenance, and Consumables
- Molecular sequencing testing for pathogens including wastewater surveillance.

Oxford Nanopore Technologies Inc.

- Instrumentation, Maintenance, and Consumables
- Sequencing platforms that are varied from small handheld portable to tabletop devices providing larger testing outreach capabilities

Qiagen Inc.

- Automated Nucleic Acid Extraction Instrumentation, Maintenance, and Consumables
- Testing for influenza viruses and Quantiferon for Tuberculosis

Fisher Scientific Company LLC

- BD Max Instrumentation, Maintenance, and Consumables
- CDC approved rapid testing for Candida auris

CONTRACT AMENDMENTS - PARTNERS



CONTRACT AMENDMENTS – DETAILS



Abbott Laboratories

- Alinity Series Instrumentation, Maintenance, and Consumables
- Open system assay testing for items such as Syphilis, HIV, Hepatitis B and C, HPV, and STI among others

Beckman Coulter

- Instrumentation, Maintenance, and Consumables
- Biomek series instrumentation are automated liquid handling workstations which support the efficiency and safety of the molecular sequencing program

Becton Dickinson

- Testing Kits and Supplies
- Manufacturer specific test kits

bioMérieux – BioFire Diagnostics

- Instrumentation, Maintenance, and Consumables
- Multiplex Molecular Diagnostic instrumentation commonly used to test for pathogens associated with respiratory infections, gastroenteritis, and bacterial, viral, and fungal infections

CONTRACT AMENDMENTS – DETAILS



Bio-Rad Laboratories

- QX instrumentation, maintenance, and consumables
- Analyzes bacterial contamination in water samples and supports waste water surveillance activities

Cepheid

- PCR testing instrumentation, maintenance, and consumables
- Assay test kits for a variety of communicable diseases, with over 1,000 tests

Hologic

- Panther Instrumentation, Service Agreements, and Consumables
- Testing for chlamydia, gonorrhea, trichomonas, herpes, Zika Nucleic Acid Amplification, mycoplasma genitalium, and more

Idexx

- Test Kits and Supplies.
- Testing Kits and Supplies cover beach, bay, and drinking water testing throughout the county

Qiagen Inc.

- Instrumentation, Maintenance, and Consumables
- Nucleic acid extraction instrumentation for automated isolation testing for items such as influenza viruses and Quantiferon for Tuberculosis

FUNDING



LIVE WELL
SAN DIEGO



Recommendation #1: Single Source Contracts

\$150,000 in Fiscal Year 2023-24

\$10,585,000 per year for Fiscal Years 2024-2028



Recommendation #2: Contract Amendments

\$1,160,000 in Fiscal Year 2023-2024

\$11,390,000 per year for Fiscal Years 2024-2028

RECOMMENDATIONS



1. In accordance with Board Policy A-87, authorize single source contracts for the public health laboratory.
2. In accordance with Board Policy A-87, authorize amendments to contracts to extend and expand contract terms.
3. Authorize application for additional funding opportunities to support the public health laboratory increase testing capacity and efficiency.

CONTACT INFORMATION



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