



Eberline Analytical Corporation has provided bioassay services to support radiological worker safety since its Richmond, California laboratory began operating in 1948. Today our Richmond laboratory continues to provide bioassay services. The quality and dependability of our bioassay services are based on 60 years of corporate experience in performing these services for clients nationwide, including U.S. Department of Energy (DOE) contractors, commercial nuclear industry, state agencies, and other industrial clients.

Broad Bioassay Capabilities

- *In vitro* bioassay of fecal and urine samples for a broad spectrum of radionuclides

Qualifications and Credentials

- Radioactive materials license issued by the State of California that allows possession and analysis of radioactive samples with possession limits adequate to handle large environmental sampling programs

Routine and Rapid Turnaround Times

- Standard turnaround time for radiobioassay analysis is 30 days.
- Rapid turnaround time is available.

Proven Quality Assurance/Quality Control Program

- Participation in national performance evaluation programs
- Analyses performed according to proven, audited procedures
- QA/QC program meets ANSI/HPS N13.30, *Performance Criteria for Radiobioassay*

Comprehensive Deliverables

- Data available in hard copy and electronic formats
- Capability to provide client-specified electronic data deliverables (EDDs)

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Available Bioassay Services Include

Analyte	Method	Counting Technique
Americium-241	Radiochemistry	Alpha spec
Carbon-14	Direct Counting	LSC
Cesium-137	Direct counting	Gamma spec
Cobalt-60	Direct counting	Gamma spec
Gross Alpha/Beta	Evaporation	Gas Proportional
Isotopic Thorium (Th-228, Th-230, Th-232)	Radiochemistry	Alpha Spec
Neptunium-237	Radiochemistry	Alpha spec
Plutonium-238	Radiochemistry	Alpha spec
Plutonium-239/240	Radiochemistry	Alpha spec
Stronium-90	Radiochemistry	Gas Proportional
Total Uranium	Radiochemistry	Kinetic Phosphorimetry (KPA)
Tritium (H3)	Direct Counting/Distillation	LSC
Uranium-234	Radiochemistry	Alpha spec
Uranium-238	Radiochemistry	Alpha spec



Clients such as:

- Knolls Atomic Power Laboratory
- Bechtel Bettis Incorporated
- Lawrence Berkeley National Laboratory
- PG&E
- Southern California Edison
- Ohio EPA
- Westinghouse Columbia Fuel Fabrication Facility
- Soluient Technologies
- West Valley
- Waste Isolation Pilot Plant (WIPP)

For more information on our bioassay services or a quote, please contact us at:

Richmond Laboratory

2030 Wright Ave.
 Richmond, California 94804-3823
 (800) 841-5487 or (510) 235-2633
 Mr. Rodney Melgard, Laboratory Manager
rmelgard@eberlineservices.com

For information on our other capabilities, please contact our corporate office:

7021 Pan American Fwy NE
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info@eberlineservices.com



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