

Overview of Rapid Testing Solutions for Environmental & Water Quality

Because water is a vital resource, laws and regulations have been established in many countries to protect it. These regulations pertain not only to drinking water but also surface and ground water, recreational, process and waste water.

For over 20 years, Gold Standard Diagnostics has developed, manufactured and marketed rapid environmental, food, and life science testing solutions to meet the needs of research and industry. Our ongoing collaboration with global government (e.g. WHO, US EPA, USDA, USGS, FDA, Japanese Ministry of the Environment), industry, and academic leaders has allowed us to respond quickly when new threats (e.g. harmful algal blooms, melamine, glyphosate) arise.

In addition, Gold Standard Diagnostics holds, or is exclusive licensee, for several key technology patents. Gold Standard Diagnostics is headquartered in the United States and served our customers directly or through distributors in over 100 countries around the globe.

Versatile Product Portfolio

- Algal Toxins
- Pesticides (e.g. Glyphosate, Atrazine)
- Industrial Chemicals/Hydrocarbons
- Biomarkers (e.g. Caffeine)
- Vitellogenins



Water Testing Solutions

Due to the variety of applications associated with water testing, the availability of various testing options and formats is important to users. Laboratory based systems may be more accurate and are often more efficient for higher volume workflows but they are frequently more costly and time consuming than field-based testing options which support rapid, on-site decision-making.

Answers in Hours, Not Days

Plate Assays

- For laboratory based analysis
- Quantitative results
- Answers in ~3-4 hours
- Basic lab skills required
- Lab equipment required

Dipsticks/Strips

- For screening and field-based decisions
- Qualitative/semi-quantitative results
- Answers in ~1 hour
- No lab experience required
- No additional equipment required

Our Related Products & Services



Standards & Controls

- CRM and analytical standards
- Labeled standards
- QC Check samples
- Spiking solutions
- Proficiency testing programs



Sample Collection

- Bottles
- Sample preservation solutions
- Syringes



Sample Prep

- Syringe filters
- Lysis reagents and kits
- Derivatization reagents
- Sample diluent



Analysis

- Test kits
- Pipettes, tips and related consumables
- Training



Results Interpretation

- Automated analyzers
- Plate and strip readers
- Magnetic separators
- Instrument installation, service & repair