

RETEGO

UNCOVERING THE CONTAMINANTS
IN YOUR WATER SOURCE



Retego includes everything you need to test, record, and share your data directly from the field—secured in rugged Pelican™ cases built to withstand a working environment.

THE RETEGO method for measuring water contaminants is based on more than 20 years of scientific experience in the treatment and monitoring of oilfield source and waste waters. Our tests are conducted on-site and deliver fast and reliable water monitoring within 1-3 minutes without specialized training or liquid reagent handling. And the results are digital, making electronic distribution to anyone, anywhere a snap.

THE RETEGO DIFFERENCE

Until now, critical water monitoring was done through a mixture of certified laboratory and on-site testing for operations and waste water management. In oilfields, on-site chemical testing relies on kits and instruments developed for municipal and well water applications — an approach not suitable for higher salinity and complex waste waters.

The Retego methodology is designed for ease of use without the need to handle difficult samples. It uses just two components:

1. A rugged, field-portable detector that accurately calculates the analyte in the test vial using a combination of colorimetric and fluorescence measurements resulting in extensive detailed readings no competitor comes close to reaching.

2. Disposable single-use vials containing a pre-measured stable mixture of all chemical components

needed to conduct a specific water sample analyte assay.



Single-use vials complete with stable chemical components. The only liquid involved is the 3ml water sample. Immediate digital results are ready for storage or distribution.

RETEGO FEATURES & CAPABILITIES

1. Speed and Ease-of-Use. The assay vials contain all the stabilized chemical reagents required for each test. The pre-measured chemical reagents dissolve quickly in the water sample. The vial is inserted into the detector and a completed test is available in seconds (for rapid chemistries) to less than three minutes (for chemistries that require some reaction time). Everything is done automatically. There are no titrations or calculations for the operator.

2. Extended Dynamic Range. The detector uses a combination of techniques operating over an extended dynamic range to accurately read difficult waste water samples. This minimizes time and errors associated with dilution of the original sample.

3. Immediate Results.

Sampling results are immediately available and are automatically stored in a dedicated database for report generation or distribution via instant message or e-mail.

4. Lower Sampling Costs.

Competitively priced kits, coupled with significantly lower labor costs, maximizes real savings during field testing. These improved results enable water managers to tailor treatments for their specific needs.

Parameter	Sample Result	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Method	Notes
Alkalinity	0	1	mg/L	9/9/2015 10:47:14 AM	LDM		
Alkalinity	168	1	mg/L	9/9/2015 10:47:46 AM	LDM		
Total Hardness	2	1	mg/L	9/9/2015 10:48:06 AM	LDM		
Total Hardness	326	1	mg/L	9/9/2015 10:48:15 AM	LDM		
Total Hardness	2	1	mg/L	9/9/2015 10:48:26 AM	LDM		
Total Hardness	135	1	mg/L	9/9/2015 10:48:35 AM	LDM		

Digital results which can be saved and shared in a variety of formats.

5. Designed for Challenging Conditions. The test chemistries are designed to be compatible with complex industrial and oilfield waste waters (without suffering from interfering substances) and are stable for storage in extreme conditions. The detector utilizes novel optical detection techniques which compensates for temperature extremes thereby eliminating the need for sample blanks. These methods greatly simplify testing while reducing time and costs.

RETEGO & FLOWATCH

The ability to capture and transmit results electronically allows operators to monitor (in near real time) water and waste water constituents that cause corrosion, scale and interfere with stimulation operations (e.g., hydraulic fracturing). With Retego, this data is even more relevant due to a dynamic, cloud-based application from FLOWatch.

With FLOWatch the user easily sets up a working environment which allows them to store data and generate alerts, reports, business analytics tools, and many other services. This foundation is used to build additional tools such as cross-functional and cross-data analytics, dashboard representation, and a variety of administrative features to enable enterprise-wide data gathering and sharing.

What's more, FLOWatch allows users to construct data dictionaries of water quality and process parameters, asset characteristics, chemicals, power usage, maintenance information, and set custom rules governing both data capture and usage.



Our partnership with FLOWatch gives the user the ability to easily and inexpensively monitor and report water quality measurements.

CONTACT US

Let us demonstrate the simplicity, speed and precision of full-scale water testing thanks to Retego. Give us a call or drop us an email today.

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