

CEL/890 Hydraulic Fracturing Water Analysis Kit

Applications

- Oil & Gas
- Field Use



Get real-time results in the field in minutes.

Offering on-site results in an easy-to-use, rugged, portable lab, Hach's Hydraulic Fracturing Water Analysis Kit covers parameters critical to water analysis in oil and gas applications, including source water, fracturing fluid, produced water, flowback water, water treatment, drilling fluids, and enhanced oil recovery.

Real-time Decisions

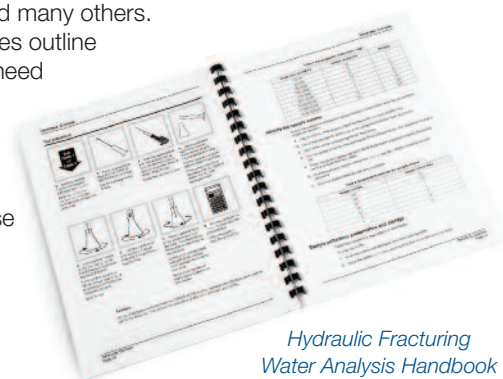
In the oil and gas industry, rapid decision making is essential. Rather than waiting days to send samples back to a regional lab or paying for third party analyses, operators can obtain results in the field in just minutes and adjust their processes in real time to maximize performance.

Reliable Results

Whether used on the back of a tailgate or in a mobile laboratory, the CEL/890 Hydraulic Fracturing Water Analysis Kit yields consistent results time after time. Use the data to identify trends in the quality of source water and treated water or to identify potential interferences with fracturing fluid compounds.

Proven Methods Designed for Hydraulic Fracturing Water Applications

Hach has developed step-by-step procedures customized for samples encountered in hydraulic fracturing water applications with extended concentration ranges for chloride, hardness, barium, iron, and many others. These procedures outline everything you need to perform for each test and are pre-programmed in an easy-to-use software interface.



Hydraulic Fracturing Water Analysis Handbook



Be Right™

Specifications*

Parameter	Range	No. of Tests
Alkalinity (Phenolphthalein and Total) as CaCO ₃	10 - 4,000 mg/L	100
Bacteria (Iron-Related, Sulfate-Reducing and Slime-Forming)	Presence-Absence population estimation	9
Barium	0-8,000 ppm	100
Chloride as Cl ⁻	100-200,000 mg/L	100
Conductivity	0.01 uS/cm - 200 mS/cm	Unlimited
Hardness, Total as CaCO ₃	100-200,000 mg/L	100 each range
Hardness, Calcium as CaCO ₃	100-200,000 mg/L	100 each range
Iron, Total as Fe	0-300 mg/L	100
pH	0 -14 units	Unlimited
Sulfate as SO ₄	0 -7,000 mg/L	100
<i>Additional parameters not included in the kit:</i>		
Boron	0 to 50.0 mg/L	
Chloride (IntelliCAL™ ISE)	0 to 35,000 mg/L	

*Subject to change without notice.

Ordering Information

Each laboratory includes:

- DR/890 Colorimeter
- HQ40d™ Multi-Parameter Digital Meter
- Digital Titrator
- All required reagents for 12 critical parameters
- Hydraulic Fracturing Water Analysis Handbook
- Apparatus and accessories
- Convenient, rugged carrying cases

2994000	CEL/890 Hydraulic Fracturing Water Analysis Kit
2997100	Reagent Set, CEL/890 Hydraulic Fracturing Water Analysis Kit
2527900	Boron Reagent Set†

†Not included in kit.



Rugged kit delivers simple, fast, on-site analysis in oil and gas applications, including source water, frac fluid, produced water, flowback water, water treatment, drilling fluids, and enhanced oil recovery.

HACH COMPANY World Headquarters: Loveland, Colorado USA

United States:	800-227-4224 tel	970-669-2932 fax	orders@hach.com
Outside United States:	970-669-3050 tel	970-461-3939 fax	int@hach.com



www.hach.com

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