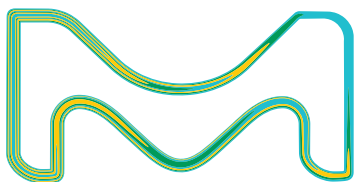


Power on your water analysis

Spectroquant® Test kits for high chloride COD testing and power generation parameters



The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

Supelco®
Analytical Products

Spectroquant® Test kits

Achieve accurate and reliable results with chemical consumables of certified quality with the full range of Spectroquant® Test kits. We provide a comprehensive portfolio of analytical test kits and reference standards for your water and environmental analysis.

Our COD cell tests for seawater applications

The first with unlimited chloride tolerance

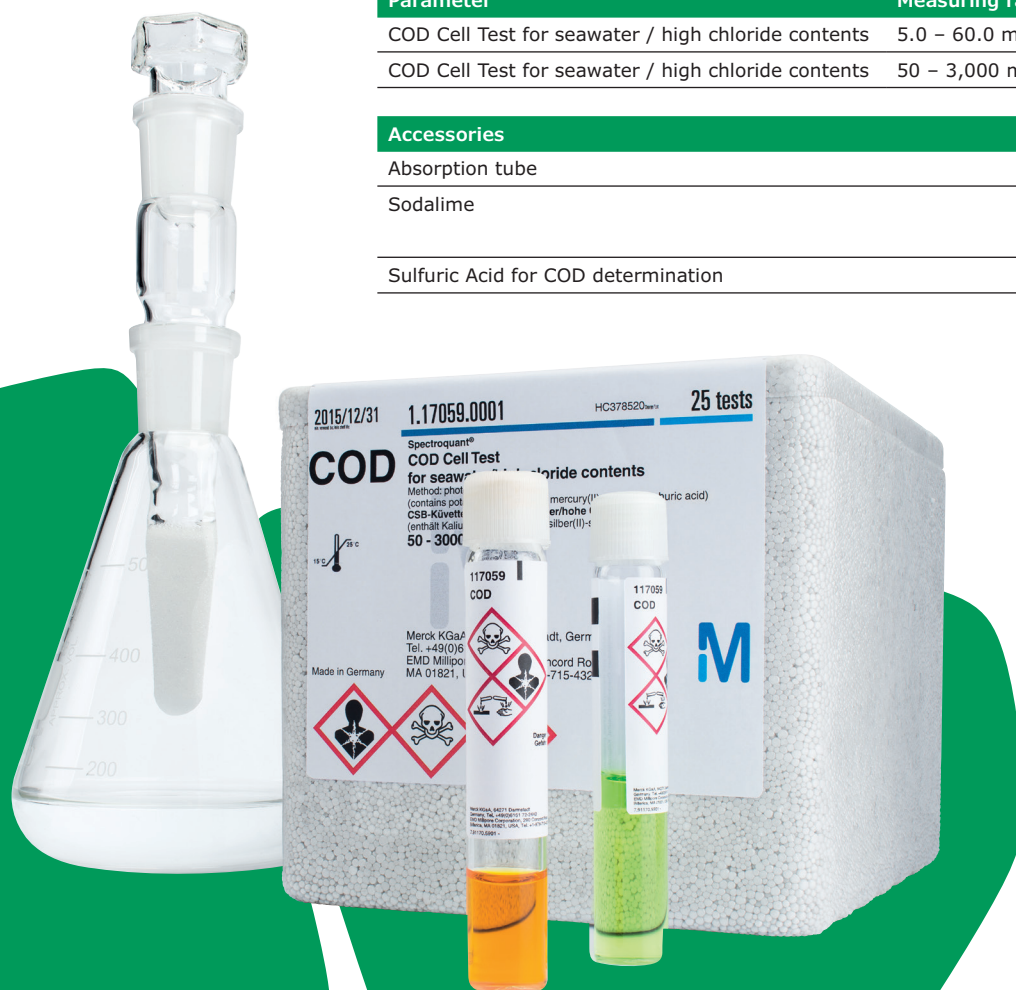
COD (chemical oxygen demand) measurements are performed to test water for pollutants. But when the sample contains high chloride levels, such as with industrial wastewater or seawater, standard COD tests cannot be used because chloride interferes positively and results in higher COD values. To overcome this challenge, we have developed the first COD cell tests with unlimited chloride tolerance. The high chloride content is extracted by a special pretreatment step prior to adding the sample to the new COD tubes. The two new COD cell tests facilitate measurements in the low range of 5.0 – 60.0 mg/l COD and in the higher range of 50 – 3,000 mg/l COD. This makes them excellent for analyzing a wide variety of industrial wastewater and seawater samples.

Advantages:

- Easy measurement of COD in samples with high chloride content
- Easy sample pre-treatment
- Less toxic waste compared to norm method

Parameter	Measuring range	Determinations	Cat. No.
COD Cell Test for seawater / high chloride contents	5.0 – 60.0 mg/l COD	25	1.17058.0001
COD Cell Test for seawater / high chloride contents	50 – 3,000 mg/l COD	25	1.17059.0001

Accessories	Quantity	Cat. No.
Absorption tube	1 piece	1.15955.0001
Sodalime	500 g	1.06733.0501
	2,500 g	1.06733.2500
Sulfuric Acid for COD determination	1 L	1.17048.1000



Chloride, silicate and sulfate tests for cooling and boiler water applications

As every power plant, chemical, technical or food and beverage company knows, chemicals, such as chloride, silicate and sulfate, can be very damaging to boiler and cooling water systems. Over time, they cause deposit formation and corrosion, leading to higher maintenance costs and even plant shutdowns.

Our four Spectroquant® photometric tests help you avoid such risks. That's because they offer highly sensitive measuring ranges. This unique feature allows you to detect significantly lower concentrations of chloride, silicate and sulfate in your boiler or cooling water system, hence lowering the risk of costly corrosion.

Advantages:

- Easy-to-use tests for sensitive water analysis on-site
- Cost efficient
- Plug & play solution with Prove instrument incl. cell size recognition



Parameter	Measuring range	Determinations	Cat. No.
Chloride Test	0.10 – 5.00 mg/l Cl^-	100	1.01807.0001
Chloride Cell Test	0.5 – 15.0 mg/l Cl^-	25	1.01804.0001
Silicate (silicic acid) Test	0.0005 – 0.5000 mg/L SiO_2 0.0002 – 0.2337 mg/L SiO_2	100	1.01813.0001
Sulfate Test	0.50 – 50.0 mg/L SO_4^{2-}	100	1.01812.0001

Manganese and volatile organic acid tests

The manganese test for drinking water analysis offers reliable results and easy handling, and improved composition to avoid any risk of turbidity. Faster volatile organic acid tests for waste water analysis – only require a single reaction time of 1 minute. The tests are designed to prevent turbidity in the cell.

Parameter	Measuring range	Determinations	Cat. No.
Manganese Test	0.005 – 2.00 mg/L Mn	250	1.01846.0001
Volatile Organic Acid Cell Test	50 – 3,000 mg/L	25	1.01749.0001
Volatile Organic Acid Test	50 – 3,000 mg/L	100	1.01809.0001

Accurate results with Spectroquant® System.

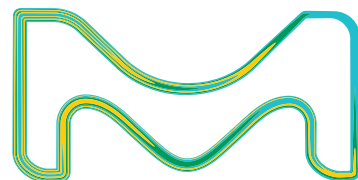
With our Spectroquant® system, you can focus on your daily work without worrying about the quality of your results. Our convenient, all-in-one solution includes everything you need for reliable analysis, and they work seamlessly together: reliable instruments, high-quality test kits, customized applications and start-to-finish Analytical Quality Assurance.

Our Spectroquant® Prove spectrophotometers offers intuitive controls and pre-programmed methods for seamless analysis of over 200 Spectroquant® test kits available in two different formats:

- The Spectroquant® Reagent Test kits contain all reagents for your photometric analyses and can be used with any existing cuvettes of various path lengths, 10 - 100 mm rectangular.
- Our Spectroquant® Cell Test kits are ready-to-use 16 mm round cells pre-filled with the reagents you need and no further cuvette needed.



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