

# LCK Cuvette Tests

## Applications

- Wastewater
- Industrial water
- Drinking water



## Expert water analysis made simple.

### Reduce errors

A unique barcode label on each Hach® LCK cuvette test is automatically read by the spectrophotometer when used with Hach's DR6000 UV-VIS spectrophotometer or DR3900 benchtop spectrophotometer to identify the appropriate method and take the measurement. This significantly reduces errors as well as scratched, flawed or dirty glassware becomes non-issue as the instrument averages 10 readings and rejects outliers.

### Batch after Batch - Be Right

Truecal with each cuvette includes the calibration data for each individual batch, reducing variation in results. This allows you to meet reporting standards and to perform proficiency testing with higher confidence.

### Documented shelf life and COA

The barcode details batch number and expiry date of reagents, which are documented along with the measurement result. An automatic warning is issued if expiry date has passed. Batch specific information (COA) is available on RFID tag on the box, which can be read out with the DR6000 or DR3900 spectrophotometer.

### No reagent blank necessary

The high quality of LCK cuvettes, tight reagent production controls, instrument calibration verification, and high instrument stability all combine to eliminate the need to run reagent blanks - saving you time and money!

### Safe and easy handling

LCK cuvette tests use innovative Dosicaps that are easier to use than powder pillows or liquid reagents. There's no risk of spillage, no safety risk, or risk of contamination with Dosicaps because the reagents are completely contained within the cuvette cap. The glassware used assures the best precision and the cuvettes have a flat bottom so they can stand on their own.

Packages of LCK cuvette tests are colour-coded for fast and easy parameter and range recognition for the exact test you need. Step-by-step illustrated test methods are printed on the box for quick reference.

## Parameters

Acid capacity / Alkalinity	Copper	Phenol
Alcohol	Copper plating baths, acidic	Phosphate (ortho)
Aluminium	Cyanide	Phosphate (ortho + total)
Ammonium	Fluoride	Photometric Iodine Sample
Anammox activity	Formaldehyde	Potassium
AOX	Hardness, residual hardness (Ca + Mg)	Silver
Bitter units	Iron, Iron (II + III)	Sludge activity
BOD	Lead	Starch
Boron	Magnesium	Sulphate
Cadmium	Molybdenum	Sulphide
Carbonate, CO <sub>2</sub>	Nickel	Sulphite
Chloride	Nickel plating baths, acidic	Surfactants (cationic, anionic, nonionic)
Chlorine (free - total), Ozone, Chlorine dioxide	Nitrate	Tin
Chromium (III + VI)	Nitrite	TOC
Chromic plating baths, acidic	Nitrogen (total), Laton	Vicinal diketones
COD	Organic acids	Zinc
CODMn	Permanganate Index	Zirconium

See a list of available LCK cuvette tests on [www.uk.hach.com/LCK](http://www.uk.hach.com/LCK)

## To complete your chemical analysis, choose from the following Spectrophotometers...

### DR6000 UV-VIS Benchtop Spectrophotometer

With high speed wavelength scanning across the UV and Visible Spectrum, and over 250 pre-programmed testing methods, the DR6000 is the industry's most advanced lab spectrophotometer. Add in guided step-by-step procedures and integrated quality assurance software, and it makes sure you are ready to handle your comprehensive water testing needs. Available RFID technology to read out certificates of analysis (COA) of each LCK cuvette test method. Sample bottles with smart tags can be tracked easily with the optional Hach RFID sample-ID system.

### DR3900 Benchtop Spectrophotometer

Built with the future of water analysis in mind, the DR3900 Spectrophotometer gives consistently accurate results in a simpler testing format. Using the latest technology, the instrument requires less training and increases confidence in your test results. With 1 Ethernet and 3 USB ports, the DR3900 easily connects to a computer and is programmed to interface with any LIMS system. Available RFID technology to read out certificates of analysis (COA) of each LCK cuvette test method. Sample bottles with smart tags can be tracked easily with the optional Hach RFID sample-ID system.

### DR1900 Portable Spectrophotometer\*

The DR1900 excels in the field because it is the lightest and most compact portable spectrophotometer. It is built for rugged conditions, and it's flexible, accepting the widest range of vial sizes. Built with field use in mind, the DR1900 has a large, clear screen and a simple user interface that makes testing easier than ever in even the most demanding conditions. Underneath the rugged exterior, the DR1900 has more than 220 of the most commonly tested preprogrammed methods already built in. You can also use the easy-to-use interface to create your own methods. Tests are performed with a wavelength range of 340 to 800 nm which make this a field instrument you can use to find results typically only seen in laboratory instruments.

\*LCK cuvette test evaluation possible, but without barcode identification.



DOC052.52.25022.Aug 19