

APC Cuvette Tests

Applications

- Wastewater
- Industrial water
- Drinking water



High throughput water analysis made simple – Hach's APC cuvette tests with upgraded packaging!

Hach®'s APC cuvette tests together with the AP3900 Laboratory Robot are designed for fully automated water analysis, including sample preparation. All APC tests are now available with a new packaging design, providing new features to make expert COD and nutrients testing with automated photometry simpler than ever!

Upgraded Packaging for your convenience

Each Hach APC cuvette test contains reagents to perform 50-100 tests. The new packaging concept uses 4 smaller boxes containing 25 cuvettes each and the correct quantity of reagents from the same production batch. This enables testing of smaller sample numbers and extends the shelf-life of prepared reagents. Color coding of the cardboard boxes ensures easy parameter and range recognition. Notes inside the box lid indicate links for downloading test procedures, AP3900 programming instructions and guides you to the correct, ready-to-use LCA standard solution for your analytical quality controls

Reduce errors

The unique barcode label on each Hach APC cuvette is automatically read by the spectrophotometer when used with Hach's DR3900 benchtop spectrophotometer to identify the appropriate method and take the measurement. This ensures automation, 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.

Visit www.hach.com/truecal for more details

No reagent blank necessary

The high quality of APC 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!

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 DR3900 spectrophotometer**.

*APC400 and APC500 require reagent blank as part of the ISO15705 procedure

**Function requires a DR3900 with RFID reader

APC Cuvette Tests*

Part number	Parameter	Measuring range	Method	GHS Hazard Code
APC114	COD	150 - 1000 mg/L	Dichromate	GHS05;GHS06;GHS08;GHS09
APC314	COD	15 - 150 mg/L O ₂	Dichromate	GHS05;GHS06;GHS08;GHS09
APC400	COD	0 - 1000 mg/L O ₂	Dichromate	GHS05;GHS06;GHS08;GHS09
APC500	COD	0 - 150 mg/L O ₂	Dichromate	GHS05;GHS06;GHS08;GHS09
APC138	Nitrogen, total	1 - 16 mg/L TN _b	Koroleff digestion (Peroxodisulphate), and photometric detection with 2.6-Dimethylphenol	GHS02;GHS05;GHS07;GHS08
APC238	Nitrogen, total	5 - 40 mg/L TN _b	Koroleff digestion (Peroxodisulphate), and photometric detection with 2.6-Dimethylphenol	GHS02;GHS05;GHS07;GHS08
APC338	Nitrogen, total	20 - 100 mg/L TN _b	Koroleff digestion (Peroxodisulphate), and photometric detection with 2.6-Dimethylphenol	GHS02;GHS05;GHS07;GHS08
APC303	Ammonium	2 - 47 mg/L NH ₄ -N	Indophenol blue	GHS05;GHS07;GHS09
APC304	Ammonium	0.015 - 2 mg/L NH ₄ -N	Indophenol blue	GHS05;GHS07;GHS09
APC339	Nitrate	0.23 - 13.5 mg/L NO ₃ -N	2.6 - Dimethylphenol	GHS02;GHS05;GHS07
APC340	Nitrate	5 - 35 mg/L NO ₃ -N	2.6 - Dimethylphenol	GHS02;GHS05
APC341	Nitrite	0.015 - 0.6 mg/L NO ₂ -N	Diazotisation	GHS07
APC342	Nitrite	0.6 - 6 mg/L NO ₂ -N	Diazotisation	GHS07
APC348	Phosphate, ortho + total	0.5 - 5.0 mg/L PO ₄ -P	Phosphormolybdenum blue	GHS05;GHS07;GHS08
APC349	Phosphate, ortho + total	0.05 - 1.5 mg/L PO ₄ -P	Phosphormolybdenum blue	GHS05;GHS07;GHS08
APC350	Phosphate, ortho + total	2 - 20 mg/L PO ₄ -P	Phosphormolybdenum blue	GHS05;GHS07;GHS08

*Subject to change without notice. Part numbers may vary by country.

Order Information

Recommended Quality Control Standard Solutions

Ready-to-use multi-parameter standards, NIST traceable

LCA720 For APC114, APC400, APC303, APC338, APC340 and APC350

LCA721 For APC314, APC500, APC304, APC138, APC339 and APC349

The perfect system - AP3900 and APC reagents

SMAP3900-MULTI The AP3900 Laboratory Robot is designed for fully automated water analysis, including sample preparation. Even when a digestion is needed. The Basic version contains COD, total P, total N, Ammonium, Nitrate and Nitrite.

Saves time and costs

- Increases productivity and flexibility
- Highest precision and accuracy due to automated procedures
- Parallel execution of different samples and methods
- Reliable by complete traceability of results



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