

PRODUCT INFORMATION
LABORATORY ANALYSIS
CUVETTE TEST

→ **Simple**

Pre-dosed, ready-to-use reagents; no rinsing steps and reagent blank values; automatic evaluation

→ **Safe**

The closed cuvette system and reduced chemical quantities ensure maximum operating safety and reliable results

→ **Fast**

The measurement results are immediately available without any reagent preparation or carrying out time-consuming calculations

→ **Environmentally friendly**

The superior HACH LANGE cuvette reduces the consumption of chemicals. There is also a recycling service for used reagents, where they will be disposed of at our environmental centre

→ **Approved**

Cuvette test are officially approved for legally required consent limits. With the help of standard solutions and round robin test solutions, they provide the assurance you need

→ **Versatile**

50 parameters and more than 90 measuring ranges for all applications in water analysis - from extremely polluted industrial wastewater to trace analysis in drinking water



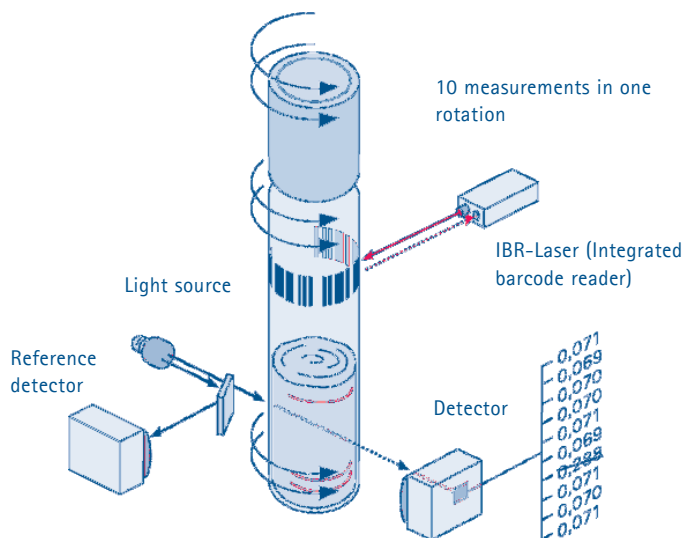
LANGE cuvette tests

Insert, read, finish

Unrivalled water analysis



UNITED FOR WATER QUALITY



Only with LANGE cuvette tests! As the cuvette rotates, any scratches, soil and flaws on the glass of the cuvette are detected and the measurements taken at these points are rejected.

The perfect system: I. Fully automatic photometry

LANGE cuvette tests are automatically measured correctly, the user does not even have to press a button.

The photometer:

- Identifies the cuvette test from its barcode (IBR)
- Rotates the cuvette and takes 10 measurements, eliminating outliers
- Calculates the result immediately, e.g. in mg/l

Easy to use: Insert, read, finish!

The perfect system: II. Precision plus safety

100% safe every step of the way:

- No contact with reagents, thanks to DOSICAP ZIP
- Automatic measurement with barcode reader
- Completely reliable results with ADDISTA standards, round robin test solutions and spiking.

Officially approved.

The perfect system: III. User friendly

Simple and well-designed to prevent errors from occurring. Features include brief instructions and pictures on the cuvette compartment lid. Ready to use: carry out the test without having to wade through complicated instructions.

The variety of parameters and measuring ranges

PARAMETER	NUMBER	MEASURING RANGES
Acid capacity KS 4.3	1	0.5 – 8.0 mmol/l
Alcohol	1	0.01 – 0.12 g/l
Aluminium	1	0.02 – 0.5 mg/l
Ammonium	4	0.015 – 130 mg/l NH ₄ -N
Bitter units	1	≥ 2 BU
BOD ₅	2	0.5 – 1,650 mg/l
Boron	1	0.05 – 2.5 mg/l
Cadmium	1	0.02 – 0.3 mg/l
Carbonate, CO ₂	1	55 – 550 mg/l CO ₂
Chloride	2	1 – 1,000 mg/l
Chlorine/Ozone	1	0.05 – 2 mg/l Cl ₂ /O ₃
Chromium (III + VI)	1	0.03 – 1 mg/l
COD	7	5 – 60,000 mg/l
Copper	1	0.1 – 8 mg/l
Copper baths (acidic)	1	2 – 100 g/l Cu
Cyanide	2	0.01 – 0.6 mg/l
Fluoride	1	0.1 – 1.5 mg/l
Formaldehyde	1	0.5 – 10 mg/l
Hardness, residual hardness (Ca + Mg)	2	0.1 – 100 mg/l Ca 0.15 – 50 mg/l Mg
Iron, Iron (II + III)	2	0.2 – 6 mg/l
Lead	1	0.1 – 2 mg/l
Magnesium	1	0.5 – 50 mg/l
Molybdenum	2	3 – 300 mg/l
Nickel	1	0.1 – 6 mg/l
Nickel baths, acidic	1	5 – 120 g/l
Nitrate	2	0.23 – 35 mg/l NO ₃ -N 1 – 155 mg/l NO ₃
Nitrite	2	0.015 – 6 mg/l NO ₂ -N 0.05 – 20 mg/l NO ₂
Nitrogen (total), LATON	3	1 – 100 mg/l TN
Organic acids		50 – 2,500 mg/l acetic acid
Phenol	2	0.05 – 200 mg/l
Phosphorus (ortho)	1	1.6 – 30 mg/l PO ₄ -P 5 – 90 mg/l PO ₄
Phosphorus (ortho+ total)	3	0.05 – 20 mg/l PO ₄ -P 0.15 – 60 mg/l PO ₄
Potassium	1	8 – 50 mg/l
Silver	2	0.04 – 2,500 mg/l
Sulphate	2	40 – 900 mg/l
Surfactants, cat./anion.	2	0.2 – 2 mg/l
Surfactants, nonion.	2	0.3 – 20,000 mg/l
Tin	1	0.1 – 2 mg/l
TOC	5	2 – 3,000 mg/l TOC
Vicinal diketones	1	0.015– 0.5 mg/kg diacetyl
Zinc	1	0.2 – 6 mg/l



German Sustainability Award
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