



Water Analysis on the Spot

Instant Results on Your iOS/Android device via Bluetooth Connectivity

Photopette® AQUA

Ergonomic Handheld Spectrophotometer

Inbuilt Calibrations for:

- ✓ Ammonium
- ✓ Chlorine
- ✓ Nitrate
- ✓ Nitrite
- ✓ Phosphate

Reagents from Merck

In Collaboration with

MERCK

 **Tip Biosystems**

Leader in Agile Spectrophotometry

www.TipBiosystems.com

Photopette® AQUA

Photopette® Aqua has inbuilt calibrations for selected Spectroquant® water test kits. Currently 5 analytes are directly supported by inbuilt factory tested calibrations. The test volume was reduced for selected test kits, allowing the user to perform more tests (=multiplier). The details are provided in the table below.

Supported Inbuild Applications (Integrated in Photopette App)

Analyte	Concentration as ion	Product Codes
Nitrate	1 - 110 mg/l NO ₃ ⁻	114773
Nitrite	0.01 - 1.5 mg/L NO ₂ ⁻	114776
Ammonium	0.01 - 0.8 mg/L NH ₄ ⁺	114752
Phosphate	3 - 300 mg/L PO ₄ ³⁻	100798
Chlorine (free chlorine)	0.01 - 9.00 mg/l Cl ₂	100598

Photopette® Features

- GPS, Photo, Notes, Date/Time Embedded in Measurement Data Files
- Highly Portable; Measure Anywhere
- Instant Results on Your Smart Device
- User can Create Own Custom Calibrations
- Google Maps Overlay of Data
- Export Data as CSV File via E-Mail or Cloud

Supported other Applications

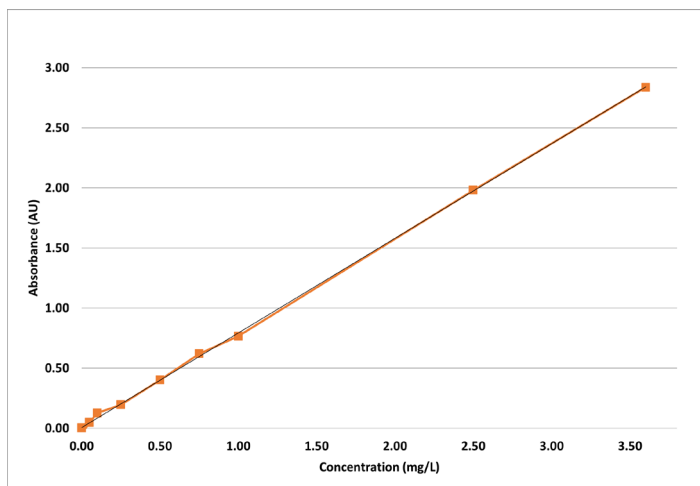
Photopette Aqua can measure a total of 20 analytes from the Merck Spectroquant™ family of water testing kits. Compatible kits are:

Arsenic Test 1.01747, Cadmium Test 1.01745, Colour Color 525, Cyanuric Acid Test 1.19253, Lead Test 1.09717, Sulfate Test 1.02537, Aluminum Test 1.14825, Bromine Test 1.00605, Chromate Test 1.14758, Gold Test 1.1482, Ozone Test 1.00607, Monochloramine Test 1.01632, Nickel Bath Test, Color 525

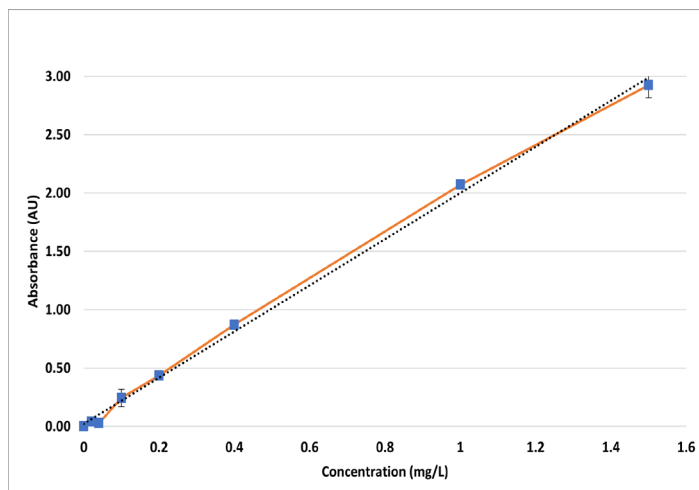


Calibration Curves

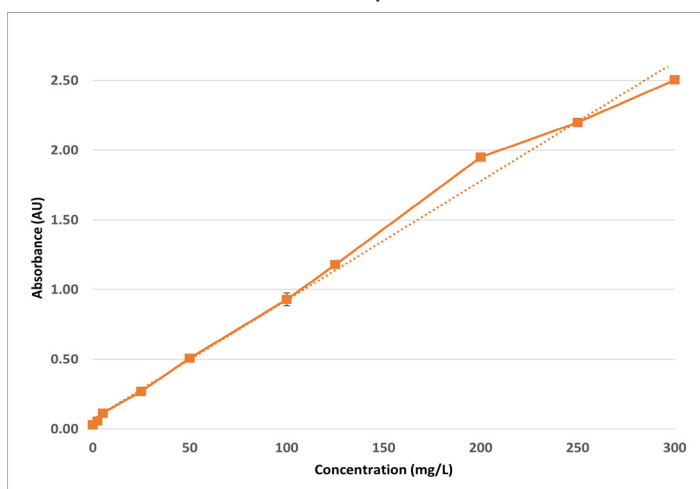
Ammonium



Nitrite



Phosphate



Photopette® Aqua Specifications

Measure without sample transfer in	96 well plates, 500-2000 µl reaction tubes
Wavelength Accuracy	±2 nm
Measurement Precision & Accuracy	better than ±0.003 AU
Photometric range	0.000 AU ~3.000 AU
Measurement time	Within 2 seconds per measured wavelength
Warm up time	None
Lifetime (light-source)	>500,000 measurements per wavelength
Wavelengths	525 nm, 550 nm, 680 nm
iOS and Android	Yes
Connectivity	Bluetooth
Ergonomic	Yes
Weight i	190 g
Language	English, German and Chinese

Spectroquant® is a trademark of Merck KGaA, Darmstadt, Germany and/or its affiliates.

Contact Us

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