

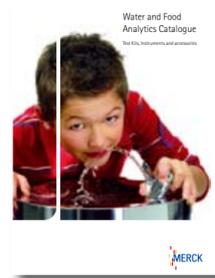
For more details we have the following brochures available.
Please ask for a copy.



Spectroquant® Pharo – No Limits
W285122 + W285123



CertiPUR® Buffer Sachets
W283122



Water and Food Analytics Catalogue
Test Kits, Instruments and accessories,
W285102



CertiPUR®
Not all reference materials are the same,
W283120



Trace analysis
Reagents for sample preparation,
analysis and calibration,
W281111



Titripac® The magic box
Titripac® for volumetric solutions
and buffer solutions,
W283143

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose.

Waste Water Analysis with Merck products



For further information please contact:
Merck KGaA
62471 Darmstadt
E-mail: reagents@merck.de
Internet: www.merck-chemicals.com



Waste water analysis with Merck Photometers, test kits and accessories

Analysis of waste water is required from governmental bodies to protect the environment; therefore it is one of the most important topics in industrial and municipal labs.

The Spectroquant® photometric system from Merck offers a start-to-finish solution for safety in waste water analysis. The easy to handle Pharo photometers include a barcode reading system for cell and reagent tests and an instrument supported Analytical Quality Assurance system (AOA). A full range of test kits, sample preparation products, accessories and ready-to-use standards for quality assurance are perfectly matching the photometers.

Merckoquant® test strips enable to run a swift screening check even on-the-spot. They are ideally suited for semi-quantitative determination of a broad range of ions and compounds and help save many time-consuming and cost-intensive analytical procedures.

For measuring pH rapidly and without using instruments, simply use Merck's all-purpose non-bleeding pH indicator strips.

Your Benefits

One stop shopping

Globally unique range of rapid test kits, from test strips for checking on the spot to photometric systems for quantitative analysis.

Security

Reliable results by our professional instrument supported quality assurance concept

Easy handling

- Bar-code reading system for cell and reagent tests
- Adaptor-less cell size recognition
- Intuitive menu navigation
- Data transfer with USB stick

Reliable qualification

We use NIST traceable Reference Material for Analytical Quality Assurance (Spectroquant® CombiChecks, PhotoCheck and CertiPUR® Standards)

Ordering Information

- Spectroquant® Spectrophotometer Pharo 100 (VIS) and Pharo 300 (UV-VIS)
- Spectroquant® NOVA Photometer line
- Spectroquant® Multy Colorimeter
- Spectroquant® Test Kits like e.g. Ammonium, BOD, COD, Nitrate, Nitrite, Nitrogen (total), Phosphate ... and many more.
- Spectroquant® CombiChecks, PhotoCheck and CertiPUR® Standards
- Merckoquant Test Strips
- pH-Indicator strips

Customer support

- Buy one instrument and if you are not satisfied give it back within 30 days
- Ask for samples for testing our photometric system

For more details please look into our Water and Food Analytics catalogue or visit our web-page <http://photometry.merck.de>

Waste water analysis with Merck buffer sachets and Merck Titripac® buffer solutions

The pH value is an important parameter for analytical analysis in waste water. However, all our buffer solutions are measured in our own accredited calibration laboratory for pH measurement. Therefore you achieve always precise, reliable and comparable results.

Merck's Buffer Sachets and buffer solutions in the Titripac® serve the purpose of precisely and correct calibration of pH measuring instruments in waste water analysis.

CertiPUR® buffer Sachets are ready-to-use buffer solutions and packed in practical sachets containing 30 ml portions. They are ideal for the exact calibration of your pH-instruments.

CertiPUR® buffers in Titripac® is a safe pack for ready-to-use buffer solutions. From the first to the last drop, Titripac® dispenses stable solutions and is easy to handle! Contamination and laborious checking of solutions belong in the past.

Your Benefits

- Solutions are always fresh and ready-to-use – no additional testing of the solution
- No risk of contamination – no residues of contaminated solution
- Easy to handle Sachets – electrode can be directly immersed in the sachet
- Easy to handle Titripac® – open the tap and take out the amount of solution you need.
- Compliance to the European Standard DIN EN ISO/IEC 17025
- Directly traceable to primary SRM from NIST¹ and PTB²
- Measured with a 5-point calibration
- Available in convenient packaging for individual use like PE bottles, Titripac®, buffer sachets.

¹ NIST (National Institute of Standards and Technology, Gaithersburg, USA)

² PTB (Physikalisch-Technische Bundesanstalt; Federal Physical-Technical Institute, Braunschweig)

Ordering Information

- CertiPUR® buffer solution in Sachets for e.g. pH 2.00, pH 4.01, pH 7.00, pH 9.00, pH 9.18, pH 10.00 pH 11.00, pH 12.00, each 30 sachets à 30 ml
- CertiPUR® buffer solution in Titripac® for e.g. pH 4.00, pH 7.00, pH 9.00, pH 10.00, pH 12.00
- CertiPUR® colour coded buffer solution in Titripac® for e.g. pH 4.00 (red), pH 7.00 (green), pH 9.00 (blue), pH 10.00m (yellow)

Customer support

Ask for samples for testing our CertiPUR® buffers

For more details please look into our CertiPUR® brochures or visit our web-page www.merck-chemicals.com

Waste water analysis with Merck ICP Standards and reagents for sample preparation

Atomic Spectroscopy is a method for inorganic trace analysis. Merck offers a complete range of first-class reagents reference materials for all analytical methods that stand out for their extraordinary precise measurement. Ready-to-use, comparable and officially certified results are additional criteria with which our reagents meet the requirements for use in sample preparation as well as in calibration for instrumental analysis via atomic absorption spectroscopy (AAS) or inductively coupled plasma spectroscopy (ICP). Another plus point is the fact that all CertiPUR® ICP and AAS standards are traceable to standard reference material from NIST.

Due to the blank value in the ppt range (Suprapur®) or ppq range (Ultrapur®), our high purity acids assure a contamination free sample preparation. In your result you will not find unexpected values and you don't have to deal with interferences from contaminations in the acid.

For the calibration of your ICP or AAS use the CertiPUR® single or multi element standards. They are certified in the worldwide only existing accredited calibration laboratory and directly traceable to SRM from NIST. Our standards are DIN EN ISO 17025 compliant element standard solutions and showing the measuring uncertainty included on the certificate of analysis.

Your Benefits

- Reliable calibration with NIST traceable reference material from the accredited calibration laboratory
- Inspection proof documentation with CertiPUR® element standards
- Perform trace analysis in the ppb range with the popular Suprapur® acids
- Perform ultra trace analysis in the ppt range with the reliable and pure Ultrapur® acids in PFA bottles

Ordering Information

- CertiPUR® AAS Calibration Standards – Single and Multi element standards
- CertiPUR® ICP Calibration Standards – Single and Multi element standards
- CertiPUR® Multi element standard for sewage sludge

Customer support

Ask for samples for testing our CertiPUR® multi element standards or for a sample of our Suprapur® or Ultrapur® acids

For more details please look into our CertiPUR® brochures or visit our web-page www.merck-chemicals.com

