Dialysis Tests

DiaQuant®

Test strips for dialysis



Decades of experience in test strips

✓ **Reliable and accurate**

Designed for dialysis centres

✓ **Convenient and effective**

Dip & read procedure

✓ **Simple and fast**

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MACHEREY-NAGEL

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MN Since 1911

DiaQuant® Test strips for dialysis

DiaQuant® Peracetic Acid

Test for residual peracetic acid in rinse water



This test is specific to peracetic acid. The easy Dip & Read procedure provides reliable results in 10 seconds.

Compared to peroxides, peracetic acid is the more powerful disinfectant. It is often used in the disinfection of dialysate lines and dialysers. Careful rinsing of the system is mandatory, before the next patient is connected. Both, DiaQuant® Peracetic acid and DiaQuant® Peroxide may be used to ensure, that the system is free of disinfectant residues. DiaQuant® Peracetic acid, however, is specific to peracetic acid



REF:	932 001
Type:	test strip
Range:	0 – 5 – 10 – 20 – 30 – 50 ppm (mg/l) peracetic acid (PAA)
Sufficient for:	100 tests
Shelf life:	at least 2.5 years after production
Storage:	4 – 30 °C (39 – 86 °F)
Accessories:	no accessories are necessary to perform this test

DiaQuant® Peroxide

Test for residual peroxide in rinse water



This test is for the quick and easy detection of Peroxide in rinse water. The easy Dip & Read procedure provides reliable results in 10 seconds.

Health care professionals in dialysis centers regularly clean dialysate lines or dialyzers with sanitizers based on peroxides or peracetic acid. They need to ensure, that the disinfectant is completely rinsed from the system prior to the next use.

DiaQuant® Peroxide provides a quick and easy means to detect peroxides in rinse water down to 1 ppm (mg/l) in order to verify, that no disinfectant residues remain in the system.



REF:	932 002
Type:	test strip
Range:	0 – 1 – 3 – 10 – 30 – 100 ppm (mg/l) H_2O_2
Sufficient for:	100 tests
Shelf life:	at least 2.5 years after production
Storage:	4 – 30 °C (39 – 86 °F)
Accessories:	no accessories are necessary to perform this test

DiaQuant® Test strips for dialysis

DiaQuant® pH 3.6 – 6.1

Test for rinse water after hot disinfection with hydroxy acetic acid containing disinfectants



Depending on the disinfection demands, health care professionals use sanitizers based on hydroxy acetic acid. Before the next patient is admitted, the system has to be checked for sanitizer residues. For hydroxy acetic acid based disinfection, DiaQuant® pH is the ideal control. The easy Dip & Read procedure provides dependable results in 5 seconds. When the pH-strip does not detect any acid, the system is completely rinsed.



REF:	932 003
Type:	test strip
Range:	pH 3.6 – 4.1 – 4.4 – 4.7 – 5.0 – 5.3 – 5.6 – 6.1
Sufficient for:	100 tests
Shelf life:	at least 2.5 years after production
Storage:	4 – 30 °C (39 – 86 °F)
Accessories:	no accessories are necessary to perform this test

DiaQuant® Chlorine

Sensitive test for total chlorine including chloramines



DiaQuant® Chlorine allows the quick and easy determination of chlorine in water. The easy Dip & Read procedure provides reliable results within 10 seconds.

When the status of dialysis machines or dialysate lines indicates the use of powerful disinfecting agents, health care professional often use chlorine-based disinfectants. Before the next use, they need to check the system carefully for residual chlorine. DiaQuant® Chlorine provides safe and easy means to detect chlorine residues.

Low chlorine levels are also important for feed water, which is purified using reverse osmosis (RO) systems. Chlorine affects the RO unit and may lead to early breakdown of the membrane. DiaQuant® Chlorine allows the safe and easy detection of chlorine including chloramines in water down to 0.1 ppm (mg/l). It helps to ensure the longevity of expensive RO units.



REF:	932 004
Type:	test strip
Range:	0 – 0.1 – 0.5 – 1 – 3 – 10 ppm (mg/l) Cl_2
Sufficient for:	100 tests
Shelf life:	at least 2.5 years after production
Storage:	4 – 30 °C (39 – 86 °F)
Accessories:	no accessories are necessary to perform this test

DiaQuant® Test strips for dialysis

DiaQuant® Water Hardness

Test for low level (5 ppm) water hardness in feed water



This test allows the convenient and reliable determination of low-range water hardness in feed water. The easy Dip & Read procedure provides reliable results in 10 seconds.

DiaQuant® Water Hardness is used after the water-softener stage of the clean-up process. Softening is a pretreatment for water that usually undergoes further purfication processes like reverse osmosis. Water hardness is the total concentration of calcium and magnesium expressed in degree of water hardness or in mg/l (ppm). With DiaQuant® Water Hardness levels down to 0.3°d or 5 ppm (mg/l) can safely be detected ensuring proper feed water for the reverse osmosis system.



REF:	932 005
Type:	test strip
Range:	0 – 5 – 10 – 20 ppm (mg/l) $CaCO_3$
Sufficient for:	100 tests
Shelf life:	at least 2.5 years after production
Storage:	4 – 30 °C (39 – 86 °F)
Accessories:	no accessories are necessary to perform this test

DiaQuant® Peracetic Acid P

Test for potency levels of peracetic acid in dialyzer reprocessing.



This test is specific to peracetic acid and it will not detect peroxides. The easy Dip & Read procedure provides reliable results in 10 seconds.

The test is a convenient and accurate way to check the concentration of peracetic acid in dialyzer reprocessing. It detects potency levels up to 2000 ppm (mg/l) without the need for dilution, which makes the testing safe and easy. DiaQuant® Peracetic acid is specific for peracetic acid and does not react with peroxides.



REF:	932 006
Type:	test strip
Range:	0 – 500 – 1000 – 1500 – 2000 ppm (mg/l) peracetic acid (PAA)
Sufficient for:	100 tests
Shelf life:	at least 2.5 years after production
Storage:	4 – 30 °C (39 – 86 °F)
Accessories:	no accessories are necessary to perform this test

DiaQuant® Test strips for dialysis

DiaQuant® test strips

Dip & Read tests for dialysis centres

In dialysis, reliable on-site chemical testing is a critical factor for patient safety. Accurate and quick testing is also fundamental to run a dialysis center effectively and successfully.
The new DiaQuant® line from MACHEREY-NAGEL is designed for the dialysis environment. Our proven technology makes testing reliable and accurate, thus providing a safe environment for your patients.

Fast results

Health care professionals use DiaQuant® tests for a variety of different substances. The product group offers a complete range of testing equipment for disinfection and water supply. All tests follow an easy dip&read procedure and provide reliable results in 5 – 10 seconds.

Easy to use

All DiaQuant® tests are ready-to-use kits. They are pre-calibrated and do not need further equipment or reagents. As “lab in the pocket” they are easy to use for any health care professional.

Precise readings

The colour charts are adjusted and checked using standard solutions. Users can be sure to receive accurate readings whenever they test.



Test	Range	Rinse Water	Feed Water	Potency Testing	REF
DiaQuant® Peracetic Acid	0 – 5 – 10 – 20 – 30 – 50 ppm (mg/l) PAA	✓			932001
DiaQuant® Peroxide	0 – 1 – 3 – 10 – 30 – 100 ppm (mg/l) H_2O_2	✓			932002
DiaQuant® pH 3.6 – 6.1	pH 3.6 – 4.1 – 4.4 – 4.7 – 5.0 – 5.3 – 5.6 – 6.1	✓			932003
DiaQuant® Chlorine	0 – 0.1 – 0.5 – 1 – 3 – 10 ppm (mg/l) Cl_2 (total)	✓	✓		932004
DiaQuant® Water Hardness	0 – 5 – 10 – 20 ppm (mg/l) $CaCO_3$		✓		932005
DiaQuant® Peracetic Acid P	0 – 500 – 1000 – 1500 – 2000 ppm (mg/l) PAA			✓	932006

CE All DiaQuant® Test strips are CE-marked according to the medical device directive 93/42/EWG

DiaQuant® Test strips for dialysis

■ MACHEREY-NAGEL - Your competent partner in analytical chemistry

Tradition and Modernity – over 90 years experience

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