

**Description:**

DiaQuant[®] Peroxide are test strips for the semi-quantitative determination of hydrogen peroxide (H₂O₂) and peroxides in solutions. This test is particularly suitable for detecting peroxide residues in dialysis equipment.

Measuring range:

1–100 mg/L H₂O₂

Color gradation:

0 · 1 · 3 · 10 · 30 · 100 mg/L H₂O₂

Pack content:

100 test strips

Reaction principle:

Hydrogen peroxide reacts with the peroxidase (POD) and the organic redox indicator in the test field to form a blue-colored oxidation product.

General information:

Only remove the required number of test strips from the container, and then immediately close the container securely afterwards. Ideally, the color evaluation should be carried out by diffuse daylight. Artificial light can lead to difficulties or an incorrect color reading.

Instructions for use:

1. Insert the test strip into the test solution for 1 sec.
2. Shake off any excess liquid.
3. Wait 5 s.
4. Then immediately compare the test field with the color scale. Take the value which matches closest with the colored test field (reading accuracy: ± ½ colored field of the scale).

The reaction color of the test field may change after the value has been taken. It is therefore crucial to evaluate the coloration within the prescribed timescale in order to achieve correct results.

Quality control:

To check the correct functioning of the test strips, use a hydrogen peroxide solution with a concentration of 3 mg/L. For this purpose, first prepare a stock solution of 500 mg/L H₂O₂, by diluting 1.5 mL of a 30% hydrogen peroxide solution in 1000 mL distilled water. Then, dilute 3 mL of this stock solution in 500 mL distilled water (= 3 mg/L H₂O₂). Immediately perform the measurement with the test strip. If the control solution produces a negative result even after repeating the process, then the remaining unused test strips must be discarded. Even during a negative control (inserting a test strip into distilled water) no blue coloration may occur. Possible reasons for both faults may be that the use-by-date has been exceeded, the test strip container was left open for too long or the test strips were stored incorrectly.

Interferences:

If the solution to be tested has a pH value of between 2 and 9, the reaction will take place without interferences. Strong acid solutions have to be buffered using sodium acetate; alkaline solutions have to be set to a pH value of 5–7 using citric acid. The presence of other strong oxidants such as chlorine will also lead to positive results.

Storage:

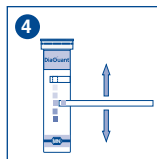
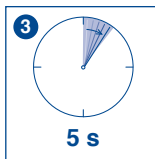
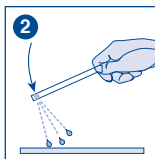
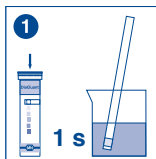
Avoid exposing the test strips to sunlight or moisture. Keep container cool and dry (storage temperature between 4 °C and 30 °C). If stored correctly, the test strips may be used until the use-by-date printed on the packaging.

Additional information:

The test strip container stopper contains a non-toxic drying agent. If swallowed, drink plenty of water.

Disposal:

Dispose of used test strips as domestic waste.



	<p>Haltbarkeitsdatum / Use by / A utiliser jusqu'à / Fecha de vencimiento / Houdbaarheidsdatum / Data di scadenza / Data ważności</p>		<p>Chargenbezeichnung / Lot number / Numéro de lot / Número de lote / Lotnummer / No del lotto / Oznaczenie szarży</p>
	<p>Artikelnummer / Catalog number / Référence / Art. no. / Referentienummer / Codice articolo / Numer artykułu</p>		<p>Packungsinhalt / Package content / Contenu de la boîte / Contenido del envase / Verpakkingsinhoud / Contenuto della confezione / Zawartość opakowania</p>
	<p>Packung geschlossen halten / Keep container closed / Refermer la boîte / Mantenga el envase cerrado / Verpakking gesloten houden / Conservare la confezione chiusa / Przechowywać pojemnik szczelnie zamknięty</p>		<p>Vor Feuchtigkeit schützen / Protect from humidity / Protéger de l'humidité / Protéjase de la humedad / Beschermen tegen vocht / Proteggere dall'umidità / Chronić przed wilgocią</p>
	<p>Lagertemperatur / Storage temperature / Température de stockage / Temperatura de almacenaje / Bewaartemperatuur / Temperatura di magazzino / Temperatura przechowywania</p>		<p>Packungsbeilage lesen / Please read instructions / Lire les instructions, svp / Obsérvense las instrucciones de uso / Lees de bijsluiter / Leggere il foglio informativo / Należy przeczytać ulotkę informacyjną</p>
	<p>Sicherheitshinweise in der Packungsbeilage beachten / Observe the safety precautions in instructions / Respecter les précautions de sécurité des instructions / Obsérvense las indicaciones de seguridad / Neem de veiligheidsrichtlijnen in de bijsluiter in acht / Seguire le avvertenze di sicurezza / Należy przestrzegać uwag zawartych w ulotce informacyjnej</p>		