



# MACHERY-NAGEL QUANTOFIX Chlorine Sensitive Test Strip Instructions

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**MACHERY-NAGEL QUANTOFIX Chlorine Sensitive Test Strip**



### Description

QUANTOFIX® Chlorine Sensitive are test strips for the semiquantitative determination of total chlorine in solutions.

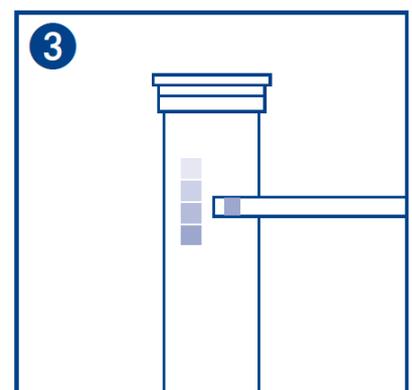
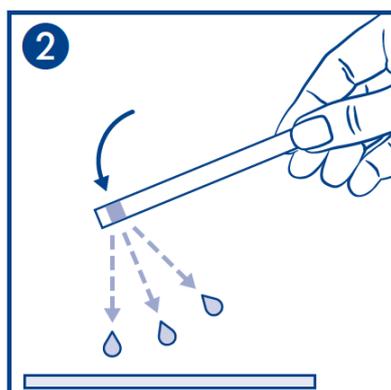
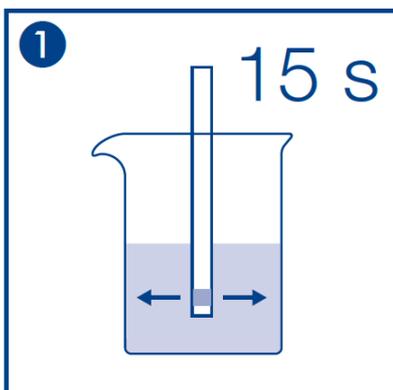
### Measuring range

1. Visually 0.1–10 mg/L Cl<sub>2</sub>
2. Reflectometrically 0.1–10 mg/L Cl<sub>2</sub>

**Color gradation:** 0 · 0.1 · 0.5 · 1 · 3 · 10 mg/L Cl<sub>2</sub>

### Pack content

1 aluminum container with 100 test strips



**Hazard warnings:** This test does not contain hazardous substances that must be labelled.

**Reaction's principle:**

Total chlorine reacts with the potassium iodide and the organic redox indicator contained in the test field, forming a green color.

**General indications**

Remove only as many test strips as are required. Close the container immediately after removing a strip. Do not touch the test field.

**Instructions for use:**

1. Dip the test strip into the sample solution, moving back and forth for 15 sec.
2. Shake off excess liquid.
3. Compare the test field with the color scale. Take the value which matches closest with the colored test field (reading accuracy:  $\pm 1/2$  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 time scale in order to achieve a correct result.

**Quality control**

To check the correct functioning of the test strips, use a total chlorine solution with a concentration of 1 mg/L. For this purpose, first prepare a stock solution of 100mg/L by adding 0.1g calcium hypochlorite to 1000mL distilled water while continuously stirring.

Then, filter the solution and subject it to photometric analysis (i.e. with NANOCOLOR® Chlorine / Ozone 2, REF 985017) to determine the exact content. Dilute 1mL from the stock solution (100 mg/L) in 100mL distilled water, then add 1 spatula tip of ammonium chloride (= 1 mg/L Cl<sub>2</sub>). 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 positive coloration may occur. Possible reasons for incorrect functioning of the test strips may be that the use-by-date has been exceeded, the container has been left open for too long or has been stored incorrectly.

**Interferences:**

The presence of other strong oxidants such as bromine, iodine and hydrogen peroxide will also lead to false positive results.

**Disposal:**

Used test strips can be placed in the normal household waste.

**Storage:**

Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature 4–30 °C). If correctly stored, 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.  
U.S. Patent No. 9,052,303

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|---|---|---|---|
|  REF | Artikelnummer / Item number /<br>Référence produit / Referencia /<br>Artikelnummer / Numero di catalogo /<br>Numer artykułu   |  LOT | Chargencode / Batch identification /<br>Numéro de lot / Código de lote /<br>Productienummer / Codice del lotto /<br>Numer partii  |
|      | Achtung! / Warning! / Attention! /<br>¡Atención! / Let op! / Attenzione! /<br>Uwaga!  |      | Verwendbar bis / Use by / À utiliser<br>avant / Fecha de caducidad /<br>Te gebruiken tot / Utilizzare entro<br>(anno / mese) / Przydatność do użycia  |
|      | Temperaturbegrenzung / Permitted<br>storage temperature range / Limites de<br>température / Límites de temperatura /<br>Temperatuurbegrenzing / Limite de tem-<br>peratura / Ograniczenie temperatury   |      | Trocken aufbewahren / Store in a dry<br>place / Conserver au sec / Mantener<br>seco / Op een droge plaats bewaren /<br>Mantener asciutto / Przechowywać w<br>suchym miejscu   |
|      | Gebrauchsanweisung beachten /<br>Please read instructions for use /<br>Respecter les instructions d'utilisation /<br>Obsérvense las instrucciones de uso /<br>Lees de bijsluiter / Consultare le istruzioni<br>per l'uso / Przestrzegać instrukcję użycia |      | Packung geschlossen halten / Keep<br>container closed / Refermer la boîte /<br>Mantenga el envase cerrado / Verpak-<br>king gesloten houden / Conservare la<br>confezione chiusa / Przechowywać<br>pojemnik szczelnie zamknięty |
|      | Ausreichend für <n> Prüfungen / Contains sufficient for <n> tests / Contenu suffisant pour <n> tests / Contenido suficiente para <n> tests / Voldoende voor <n> tests / Contenuto sufficiente per <n> test / Wystarczająco dla kontroli <n>               |   |   |

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## Documents / Resources

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|---|---|
|  | <a href="#">MACHEREY-NAGEL QUANTOFIX Chlorine Sensitive Test Strip</a> [pdf] Instructions<br>91339, QUANTOFIX Chlorine Sensitive Test Strip, QUANTOFIX Chlorine Sensitive, Test Strip |
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## References

-  [MACHEREY-NAGEL Webshop | MACHEREY-NAGEL](#)