



KYORITSU

PACK TEST
ION SELECTIVE

INSTRUCTIONS

Chloride (200)

Model WAK- Cl(200)



Harmful

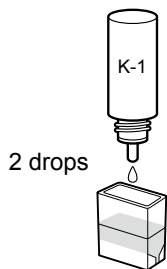
By Silver Nitrate color comparison Method

Main reagent: Silver Nitrate

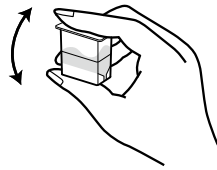
Range: < 100 - > 200 mg Cl/L (ppm)

< 170 - > 330 mg NaCl/L (ppm)

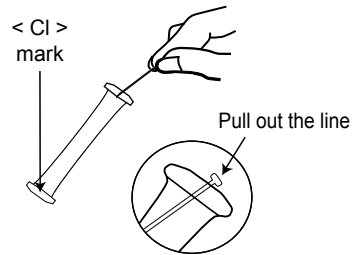
How to use



(1) Fill the Cell (PACKTEST Square Cup) up to the first line (1.5 ml) with sample. Add 2 drops (~0.07mL) of K-1 reagent.



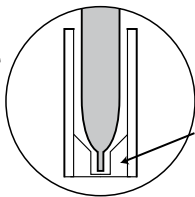
(2) Put on the cap and slowly shake the Cell once.



(3) Remove the line to clear the aperture from the top of the tube.



(4) Press the sides of the tube to expel approximately half of volume. Maintain pressed.



insert the PACKTEST in the groove, as shown.

(5) Immerse the tube in the sample. Release the sides to fill the tube up to the half.

(6) Shake the tube slightly 2-3 times. After 10 seconds, put the tube on the color chart as shown and compare with the standard colors.



Note: The standard color is printed on Japanese instructions.

Cl Concentration
< 100 mg/L
(Tanned brown)

(NaCl Concentration)
< 170 mg/L

About 150mg/L
(Light brown - Gray)

(about 250 mg/L)

> 200mg/L
(White turbid)

(< 330mg/L)

How to read the test

After the reaction time, compare the color of the tube with the standard colors. The nearest color indicates the measured value of the sample. A color between two standard colors indicates a value between the two standard values. Beyond one minute, color could change.

**KYORITSU CHEMICAL-CHECK Lab., Corp.**37-11, DEN-ENCHOFU 5 CHOME, OHTA-KU, TOKYO 145-0071 JAPAN
FAX: 81-3-3721-0666 <http://kyoritsu-lab.co.jp>

PACKTEST Chloride (200)

Feature

The Chloride(200) PACKTEST is based on the titration by silver nitrate. The Chloride(200) PACKTEST is suitable for the measurement of chloride ion concentration in tap water.

Cautions

1. This PACKTEST can measure only Chloride ion (Cl^-).
2. Residual Chlorine can be measured by:
Residual Chlorine (Free) PACKTEST, ref: WAK-CIO DP
Residual Chlorine (High conc.) PACKTEST, ref: WAK-CIO(C)
Total Chlorine PACKTEST, ref: WAK-T CIO
3. The normal pH range is 6-10. If necessary, adjust the pH with diluted sulfuric acid or sodium hydroxide solution.
4. When you add the reagent K-1, keep the bottle vertically and proceed carefully. Start again from the beginning if more than two drops were added to the sample.
5. Ensure that PACKTEST tube is filled up to the half.
6. Partially undissolved reagent will not affect the measurement.
7. Keep sample temperature in the range 15°C - 30°C . Lower temperature necessitates longer reaction time.
8. Read the test under a daylight type lamp.
9. Wash carefully the vial before and after use.
10. Put the line back into the aperture after use to prevent reagent spilt.

Interferences

Standard colors were determined from standard solutions. Bromide ion, Iodide ion, Cyanide ion and Phosphate ion can interfere with the reaction and modify the color.

Care in handling of PACKTEST before and after use

Keep PACKTEST out of the reach of children.

Keep PACKTEST in a cool, dry and dark place.

PACKTEST should be thrown with burnable garbage. Conform to the legislation of waste management.

Use a package as soon as possible after opening.

The PACKTEST tube must not be opened before and after use.

Reagent is deteriorated by a temperature higher than 50°C

K-1 reagent contains Silver Nitrate, a harmful chemical. The treated sample in the vial contains also Silver Nitrate. Avoid skin or clothes contact with this chemical. Bring used PACKTEST, waste reagent and treated sample to a waste water treatment specialist.

First Aid Measures

Eye contact → Immediately rinse eyes with water for at least 15 minutes. Consult a physician.

Skin contact → Immediately flush skin with water.

Ingestion → Immediately rinse mouth. Consult a physician.

In case of doubt, consult a physician.