Hydrogen Peroxide 56I700290

15 - 500 mg/L H_2O_2

Material

Reagents	Packaging Unit	Part Number
Hydrogen Peroxide Buffer HP1	65 mL	56L041565
Hydrogen Peroxide HR Titrant HP2	65 mL	56L719965
Hydrogen Peroxide LR Titrant HP3	65 mL	56L649665

The following accessories are required.

Accessories	Packaging Unit	Part Number
Syringe, plastic, 20 mL	1 pc.	56A006501
Titration jar with cap, plastic, 60 mL	1 pc.	56A006701

Application List

- Cooling Water
- Disinfection Control

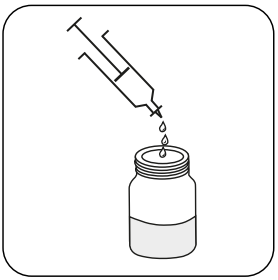
Notes

1. Colours may vary depending on sample and test conditions.
2. Other oxidising agents such as raw water residual chlorine will be included in the result but is not significant compared with the usual high concentration of peroxide employed in sanitising operations.

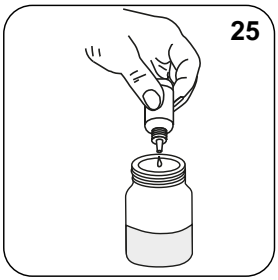
Sampling

Select the sample volume from the table according to the expected measuring range and read off the factor to calculate the result.

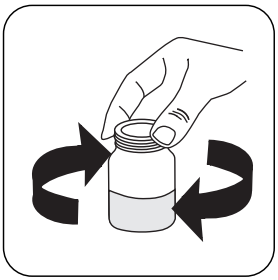
Expected Range	Titrant used	Sample Size	Factor
1-12.5 mg/L	Hydrogen Peroxide LR Titrant HP3	40 mL	0.5
2-25 mg/L	Hydrogen Peroxide LR Titrant HP3	20 mL	1
4-50 mg/L	Hydrogen Peroxide LR Titrant HP3	10 mL	2
15-125 mg/L	Hydrogen Peroxide HR Titrant HP2	40 mL	5
25-250 mg/L	Hydrogen Peroxide HR Titrant HP2	20 mL	10
50-500 mg/L	Hydrogen Peroxide HR Titrant HP2	10 mL	20



Attention! Select the appropriate sample volume according to the instructions in the chapter Sampling.

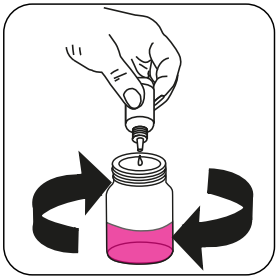


Add **25 drops Hydrogen Peroxide Buffer HP1**.



Swirl to mix.

Attention! Record the number of drops that will be added.
Note: Make sure to swirl the jar after adding each drop!



Add **Hydrogen Peroxide HR Titrant HP2 or Hydrogen Peroxide LR Titrant HP3** drop by drop to the sample until colouration turns from **colourless** to **pink**.

The color should persist for at least **30** seconds.

Calculate test result: Hydrogen Peroxide (as H_2O_2) mg/L = Number of drops x factor (see table)