

**Anionic****56I700150****Material**

| <b>Reagents</b>                    | <b>Packaging Unit</b> | <b>Part Number</b> |
|------------------------------------|-----------------------|--------------------|
| Anionics HR Titrant P10            | 65 mL                 | 56L627565          |
| Anionics Titrant P9                | 65 mL                 | 56L627065          |
| Anionic / Polyamine Indicator P2/3 | 65 mL                 | 56L718165          |
| Anionic / Polyamine Solvent P1/M   | 30 mL                 | 56L703430          |

The following accessories are required.

| <b>Accessories</b>         | <b>Packaging Unit</b> | <b>Part Number</b> |
|----------------------------|-----------------------|--------------------|
| Syringe, plastic, 20 mL    | 1 pc.                 | 56A006501          |
| Titration jar, glas, 50 mL | 1 pc.                 | 56A008101          |

**Application List**

- Disinfection Control

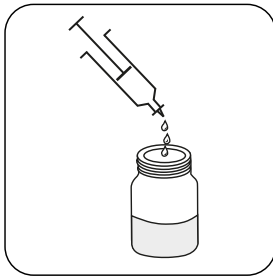
**Notes**

1. Colours may vary depending on sample and test conditions.
2. The test should be performed of known standards of products of interest to determine the product factor (F). Samples sizes chosen should be 10mL, 20 mL or 40mL.
3. The range chosen should represent the expected levels of dosing in the various systems being tested.
4. The number of drops of titrant required to reach an end point should be between 10 and 40 drops.
5. ppm = mg/L
6. Anionic/Polyamine Indicator P2/3 is only compatible with glassware. Do not allow reagent to come into contact with plastic.

## Sampling

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

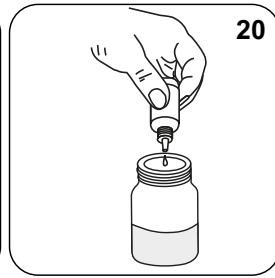
| <b>Expected Range</b> | <b>Titrant used</b>     | <b>Sample Size</b> | <b>Factor</b> |
|-----------------------|-------------------------|--------------------|---------------|
|                       | Anionics Titrant P9     | 10 mL              |               |
|                       | Anionics Titrant P9     | 20 mL              |               |
|                       | Anionics Titrant P9     | 40 mL              |               |
|                       | Anionics HR Titrant P10 | 10 mL              |               |
|                       | Anionics HR Titrant P10 | 20 mL              |               |
|                       | Anionics HR Titrant P10 | 40 mL              |               |



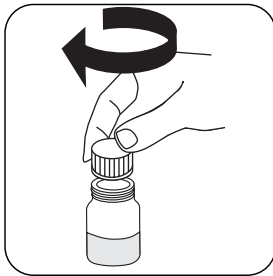
**Attention!** Select the appropriate sample volume based on results from standards (see notes).



Add 3-5 mL Anionic/Polyamine Solvent P1/M .



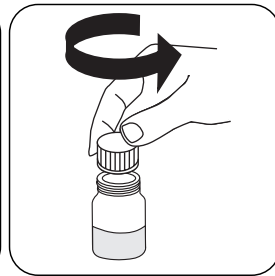
Add 20 drops Anionic/Polyamine Indicator P2/3.



Close jar.



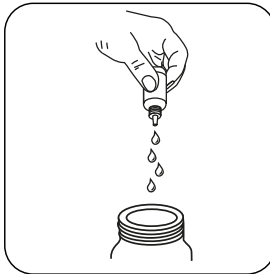
Mix the contents by shaking vigorously. (30 s).



Open the jar.

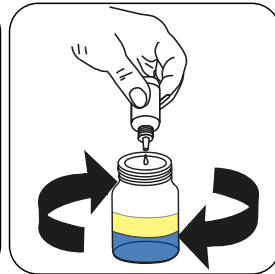


Allow phases to separate. A pink color should develop in the lower layer if any product is present.



**Attention!** Record the number of drops that will be added.

**Note:** Make sure to shake the jar after adding each drop!



Add Anionics Titrant P9 or Anionics HR Titrant P10 drop by drop to the sample until colouration turns from pink to blue.

**Calculate test result: Anionics (as product) mg/L = Number of drops x factor**