



Auckland Council
Te Kaitiaki o Tāmaki Makaurau



Wai Care water quality monitoring physical/chemical tests

Dissolved Oxygen

Chemets test method

Fill the beaker with sample (stream) water from the bucket

Take a reagent vial out from the box and place it in the beaker - you need to make sure the tip is in one of the indentations around the edge

With the tip of the vial 'locked' in one of the indentations, pull the vial towards you to snap the end off the vial

The sample water will be forced into the vial and will begin to mix with the reagent - invert the vial several times to mix

Wait **two minutes** for the reaction to complete, then compare the depth of blue colour with the colour comparator chart in the box and record your dissolved oxygen level on the record sheet



Phosphate



AquaspeX test method

Rinse out both test tubes with sample water

Fill both with sample water to the 5ml mark

Place one test tube without a cap in one of the holes of the foam block. This is the control

To the other, add 7 drops of reagent A, cap, and mix by inverting several times

To the same test tube, add 1 drop of reagent B, cap and shake vigorously to mix



Wait 5 minutes for colour to develop

Remove cap and place in the remaining hole of the foam block



Place the foam block on the colour comparator with the control sample over the coloured circles and the measurement sample over the white circles.

Look from above and move the foam block across the colour fields until the colours match.



Note results on survey sheet.