

Palintest

Water Analysis Technologies

Urea

Photometric test for Urea in swimming pool and spa water

COLOUR CHANGE

Colourless to Yellow

RANGE:

0 - 500 mg/L CH₄N₂O

TECHNICAL RESOURCE:

Urea Test Method, Technical Information

01



Set water bath to 100°C and allow it to reach temperature.

02



Add 10 mL of sample to a clean tube. Note: this test uses a 16 mm diameter tube.

03



Use this to "blank" the instrument. Fit the Tubetest adapter to Lumiso, insert tube and press Blank.

04



To an empty 16 mm tube, add 5 mL of sample.

05



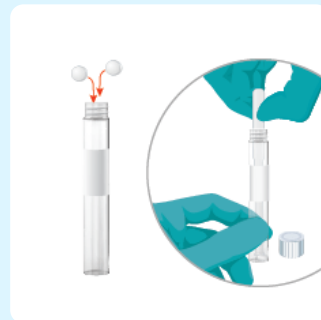
Top up to the 10 mL line with Urea Liquid Reagent.

06



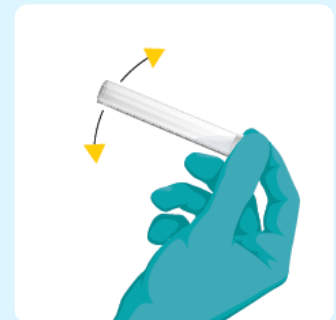
Invert tube gently to mix. Do not shake.

07



Add a Urea No1 tablet and a Urea No2 tablet. Crush both tablets until fully dissolved.

08



Invert tube gently to mix. Do not shake.

Test continued on page 2



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Place in water bath and leave for exactly 30 minutes at 100°C.

10



Carefully remove and dry tube.

11



Without delay, place tube in cell holder and press Measure to obtain the concentration of Urea.