UNICLEAN-AMERICA

Clean ships - Clean sea

Drop Test Kits New innovation of water testing onboard

For use in a range of Water Systems

Delivering simplicity and affordability through innovation.

The UCA range of drop test kits are designed for use on a wide range of water systems where routine site monitoring is required.

This new line of drop test kit used onboard made to test the cooling water and boiler water , this line made as replacement of tablet way as drop way are easier, more economical and very simple to use unlike tablet.

The UCA kit should be used to monitor water conditions to ensure that the systems are under control and do not exhibit signs of corrosion, scaling or microbiological fouling. Many are designed to allow the simple determination of inhibitor or biocide levels.

Each test kit has all the components required to carry out site analysis. All are supplied in a robust carry case with all the equipment and reagents necessary to perform between 100 and 200 tests.

If you require more than one parameter in a kit we can accommodate this request and multiples can be included.

Replacement reagents and components are available which make this kit a lasting addition to any water treatment professional.

Simple to use

Our test instruction booklet is in full colour and has easy to follow step by step instructions making on site analysis simple.

The reagent labels and test booklet are printed on waterproof and chemical resistant paper making them more durable.



Drop Test Kit Parameters

p Alkalinity test kit. M Alkalinity test kit . Chloride test kit Nitrite test kit . Hardness test kit . Sulphite test kit .

Each kit includes:

Plastic case with pre-cut foam Waterproof test booklet 65ml test bottle 10ml or 20ml syringe Test reagents in 65ml bottles

Call us for more information.

EQUIPMENT & REAGENTS

V3 06 05 2020

v2 06 05 2020

EDT018 65ml Plastic Test Bottle

EDT167 10ml Syringe

SDT001 PA1 Phenolphthalein Indicator

SDT006 TA3 Alkalinity LR Titrant SDT005 PA2/TA2 Alkalinity HR Titrant

REFERENCE DATA

Titrant Used - TA3					
nticipated Range	Sample Size (ml)	SS Factor			
5 - 150	40	5			
100 - 300	20	10			
200 - 600	10	20			

Titrant Used - PA2/TA2				
Anticipated Range	Sample Size (ml)	SS Factor		
20 - 600	40	20		
400 - 1200	20	40		
800 - 2400	10	80		

IF	ОН	CO ₃	HCO ₃
P = 0	0	0	М
P < M/2	0	2P	M -2P
P = M/2	0	2P	0
P > M/2	2P - M	2 (M - P)	0
P = M	М	0	0

Alkalinity Relationships

The separate contributions to "alkalinity" of bicarbonate, carbonate, and free caustic can be estimated using the above relationships.

Step 5.

To calculate your results multiply the number of drops added to sample by the Sample Size (SS) factor.

p Alkalinity as (CaCO₃) (mg/l) ppm = Number of Drops x SS factor

CHLORIDE DROP TEST KIT

Determination of Chloride. Range 0 - 12000 ppm

Step 1.

WIS0025

Step 3.

Step 4.

Count drops of TA3 or PA2/TA2 until sample turns Clear.

Record number of drops.

Take sample according to anticipated range. (See reference data)



Step 2.

Add 5 drops of BC1/CC1 per 20ml and swirl bottle.



Step 3.

Add drops of CC2 or BC2 one drop at a time.



Step 4.

Count drops to change from yellow to Orange/Brown.

HEALTH & SAFETY

Refer to H & P phrases on individual bottles.

Wear protective gloves and safety goggles when performing any tests using corrosive, harmful or irritant reagents.

Do not ingest.

EQUIPMENT & REAGENTS

65ml Plastic Test Bottle FDT018

EDT167 10ml Syringe

SDT023 BC1/CC1 Chloride Indicator SDT024 CC2 Chloride LR Titrant

SDT026 BC2 Chloride HR Titrant

REFERENCE DATA

Anticipated Sample SS Range Size (ml) Factor 100 - 400 40 10 200 - 600 20 20 400 - 1000 10 40 5 (*) 800 - 3000 80

1 (*)

400

Titrant Used - BC2

Anticipated Range	Sample Size (ml)	SS Factor
20 - 75	40	2.5
50 - 150	20	5.0
100 - 300	10	10
200 - 500	5 ^(*)	20

Titrant Used - CC2

Notes:

If with the addition of 2 drops of PA1, the sample turns pink add drops of P3 solution until the pink colour is removed, then proceed with

If you wish to express the result as Sodium Chloride multiply the CI result by 1.6.

 $(\mbox{\sc '})$ Dilute samples of less than 10ml to approximately 10 - 20ml with distilled or deionised (chloride free) water.

Step 5.

4000 - 12000

To calculate your results multiply the number of drops added to sample by the Sample Size (SS) factor.

Chloride as CI (ppm) = Number of drops of CC2 or BC2 used x SS factor



