

WATER PROVIDES US LIFE



Are you sure that the water you drink is safe?



The drinking water is guaranteed as the output of the drinking water treatment plant and into the public taps, but not in private taps as your home, offices, factories, restaurants, hotels, schools, nursing homes, wells, reservoirs...



Public works in the street seriously endanger the security of the water.

Verify that there is no infiltration of sewage or natural water in your building network.



UNIQUE IN THE MARKET! Now you can check yourself with

DRINK WATER KIT

Complete kit for direct analysis of bacterial counts and presence / absence of indicators for wastewater infiltration: *Coliforms-E.coli*, faecal enterococci and *Clostridium perfringens* and its spores (European Directive on human use water).



In only 24-72 hours you will have the most reliable results by simple color changes of the 5 components of the kit.

- ★ Reference: KMT003, box for 10 complete test of 5 parameters each, in sampler bottles, for field or laboratory analysis
- ★ Also available in miniportable boxes for field analysis: MINI-DRINK WATER KIT Reference: KMT005, box for 3 complete test of 4 parameters each, in sampler bags

Tel: +34 918974616 - Fax: +34 918974641
P.O. Box 44, 28210 Madrid - Spain
Email: microkit@microkit.es www.microkit.es



P / A KITS IN SAMPLER BOTTLES

(Reference no. RPL399), for full analysis of pool water (carry out one before chlorination and another after, with another kit). We supply the first complete microbiological kit designed for analysis of water for pool, cosmetic, pharmaceutical, natural, drinking and food use:



Parameters: The new kit contains everything you need to determine the presence or absence of the seven water-transmitted pathogens (according to new European Directive 98/83/EC):

- | | |
|--|----------------------------------|
| 1- Coliforms/ <i>E.coli</i> | 4- <i>Pseudomonas aeruginosa</i> |
| 2- Faecal streptococci/ <i>Enterococci</i> | 5- <i>Staphylococcus aureus</i> |
| 3- Sulphite-reducing clostridia/
<i>Clostridium perfringens</i> and their spores, | 6- Algae |
| | 7- pathogenic fungi. |

Also available separately.

If you need any other parameter, please enquire: we're sure to have it (legionella, cyanobacteria, vibrio, aeromonas/plesiomonas, salmonella/shigella, campylobacter, E.coli O157:H7, etc.)

For professional use or by people who undertake to follow the instructions for use and destruction to the letter. Keep out of reach of children. Do not swallow. Do not flush away.

The kit contains three groups of products:

- 50ml syringe to facilitate taking the sample. Each syringe is used to inoculate the 6 different bottles in each analysis (2 syringes per bottle); these already have the chlorine neutralisers in them:
- 6 P/A (presence/absence) bottles with concentrated chromogenic medium (which changes colour when the micro-organism in question is present in the water). These are specific to each parameter (except fungi).
- 2 DTM dip slides to detect fungi on surfaces in changing rooms, saunas, shower floors, swimming pool edges, beach sand, sun beds, etc. The syringe is not needed for this parameter.

Plan your orders bearing in mind that we close for holidays in August!



METHOD OF USE AND DISPOSAL:

1. Fill the syringe with 50ml of water sample, without touching the water with your hands. Open one of the 6 bottles (without touching the inside or leaving it upside down on the ground), carefully put the 50ml of water in it without splashing or forming much froth. Repeat this operation until the bottle is filled with 100ml of water (2 x 50ml), leaving an air pocket. Replace the top.
2. Repeat with two 50ml syringes for each bottle until all six are full, leaving an air pocket at least 5cm high in each. Replace the tops without mixing them up in order to avoid false results.
3. Unscrew one of the two dip slides and touch the surfaces in question of wet ground, showers, etc. with both sides. Repeat on another surface with the same dip slide. Do not rub, simply press down lightly for 10 seconds. Do not touch the culture media with your fingers. Close the tube.
4. Leave the kit for 1-2 days at 37°C (VMT051 incubator) or at an ambient temperature of 25-40°C for 1-3 days. In addition, ensure that the algae bottle is exposed to plenty of INDIRECT sunlight (at night, in the dark) for 3-7 days.
5. After reading the results, destroy the bottles and tubes, filling them with bleach and closing their tops tightly.

READING RESULTS:

European Union legislation states that none of the seven parameters measured with this kit in pool water (and none of the first three in drinking water or water for use in the food industry) must be present; thus, as soon as any of the kit parameters give a positive result, the water is unsuitable and must be disinfected immediately, and checked once more afterwards. Each photo shows **the positive results (presence of the micro-organism)** on the left and negative on the right:

Coliforms-*E.coli*
(recent infiltration of faecal water)



Turquoise Cream/straw

Pseudomonas aeruginosa
(otitis, infections, etc.)



Pale pink Colourless

Streptococci and enterococci
(faecal water)



Black, opaque and no iridescence Amber, iridescent

Staphylococcus aureus (otitis, pharyngitis, etc.)



Orange or yellow Red

Clostridium perfringens
(faecal water)



Black or yellow Purple or violet

Algae (risk of allergens/toxins)



Green, brown, reddish etc. patches Colourless

Fungi (mycosis, athlete's foot, stinging, etc.)



Dermatophytes: moulds, and both sides pink
Candida: with white/pink "balls"

Only one side pink. Other moulds.
Without "balls"

