

# CHROMOGENIC P/A BROTHS IN POWDER, PRE-WEIGHED AND STERILE, TO CONTROL THE PRESENCE / ABSENCE OF MICRO-ORGANISMS IN LIQUIDS

- ➔ Do you want to detect pathogens and indicators in your water, saving yourself membrane filtration?
- ➔ Do you need a more reliable method than membrane filtration, that doesn't get you false negatives?
- ➔ Have you noticed that 0 and ABSENCE, in microbiology, are exactly the same, because cfu are always whole numbers, without decimals?



## The only solution to these three questions is the Presence/Absence (P/A) method

And **MICROKIT** offers it to you for all the microorganisms that you need to detect in water: *E.coli* and other **coliforms** (Colicult, Colicult-Plus and Colicult-ISO 9308-2: 2021), **Fecal Enterococci** (Enterocult-Bilis Aesculin Azide, ISO 7899 : 2001), *Clostridium perfringens* and its spores (Clostricult-TSC, ISO 14189: 2017), *Pseudomonas aeruginosa* (Pseudocult-CN, ISO 16266: 2006), *Vibrio cholerae* (TCBS-P/A, ISO 21872: 2007 and Chromogenic Vibrio P/A), *Vibrio parahaemolyticus* (Vibrio hypersaline P/A), *Burkholderia cepacia complex* (chromogenic BCPT-P/A), *Salmonella spp.* (SS P/A), *Staphylococcus aureus* (MSB-P/A), **Fungi** (Mycokit and Mycokit-chromogenic for Yeasts and Molds, ISO 100.012), **Algae** (Ficokit), **Cyanobacteria** (Cianokit) ...



**COLICULT-ISO 9308**, defined substrate (ONPG + turns from colorless to orange), indole (+ red ring) and fluorogenic (MUG + fluorescent).  
Bottles 1 and 2: *E.coli*. (ONPG +, Indole +, in the photo below, center, MUG +). Bottles 3 and 4: Non-*E.coli* coliform (ONPG + more or less intense, Indole -, in the photo below, on the sides, MUG -).



**COLICULT-PLUS**, defined substrate (ONPG + turns from colorless to yellow), indole (+ red ring) and chromogenic (MUGChrom + turns to green). Left *E.coli* (green, indole +) without having to read fluorescence. Right coliform (ONPG +) that is not *E.coli* (as it does not turn green and is indole-)



**COLICULT-ISO 9308**, MUG reading in the dark under 366 nm: Center bottles, *E.coli*, fluorescent. Bottles from the sides, not *E.coli*, does not emit sky blue light.



How to use: pour the powder over the water, shake and incubate



Colicult Clipcounter, and Quantibags to convert P/A to NMP count

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**How to use:** Add the content of a sterile powder vial to 100 ml of sample water. Shake and incubate under the conditions indicated on the label (those of the desired microorganism). **Only 10 seconds from sample to incubation!** Observe whether there is a turn to the indicated color (positive sample) or not (negative sample). Negative samples are confirmative (only positive samples need to be confirmed by streaking on the corresponding ISO agar), thus saving enormous amounts of time and critical points of analysis. This is why the P/A method detects up to 49% more true positive samples for *Clostridium perfringens* than membrane filtration, up to 33% more true positive samples for *Pseudomonas aeruginosa*, up to 21% more true positive samples for Coliforms-*E. coli* ...

If you still need to submit a count, use our P/A kits in conjunction with our NMP Quantibags (no need for sealing devices)

- ➔ If you process many samples, we have designed the same P/A media for you in a very economical format (100 g bottles with measuring spoon).
- ➔ If you run too few samples, we also have what you need: the same media in sampler bottles.



**Classic COLICULT (XGal, Indol and MUG).** Left bottles Coliform (blue-green in two different containers), *E. coli* would also be indole + and fluorescent). Right bottles neither coliform (not blue) nor *E. coli* (it would be indole - and not fluorescent).



**ENTEROCULT (BEA broth):** Left + for fecal enterococci (black and opaque), right - (amber and transparent)



**Burkholderia cepacia complex P/A (chromogenic BCPT broth):** Left + (red and opaque), right - (orange and transparent)



**CLOSTRICULT (TSC broth):** Left + for *Clostridium perfringens* (black and opaque), right - (straw and transparent)



**PSEUDOCULT (chromogenic Cetrimide broth):** Left + for *Pseudomonas aeruginosa* (pink, and it is fluorescent in the dark under 366 nm), right - (straw and not fluorescent)



**STAPH P/A (Mannitol fermentation broth):** Left + for *Staphylococcus aureus* (orange), right - (red)



**Chromogenic *Vibrio cholerae* P/A (chromogenic MPT broth):** Left - (straw and clear), right + (red and opaque)



***Vibrio cholerae* P/A (TCBS Hyposaline Broth):** Left - (green), right + (yellow)



**FICOKIT (microalgae broth):** Left + (diatom algae), center + (chlorophyte algae), right - (colorless)



**MYCOKIT (RB Caf Broth):** Left + (floating molds), right + (yeast turbidity)