

SPEED

RELIABILITY

SPECIFICITY

Result
in **24h**

MICA
Fluorescence

Pseudomonas

Pseudomonas aeruginosa

Bottled waters
Carbonated natural waters

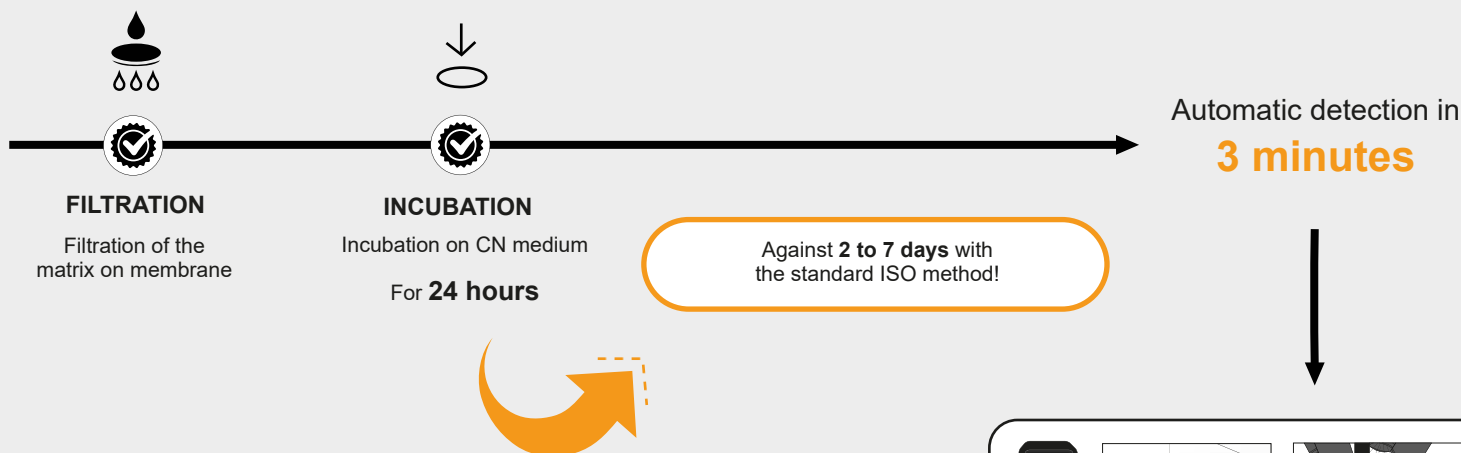
- ✓ **24h incubation only**,
against 2 to 7 days with the standard method
- ✓ **No confirmation test needed**
- ✓ **Same procedure as the standard method**
ISO 16266
- ✓ **Non-destructive method**
- ✓ **Limit of Detection:**
1 CFU* / membrane



AOAC certification
in progress



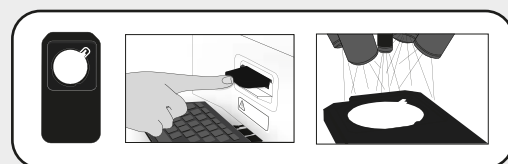
Protocol based on the **ISO 16266** method



*CFU : Colony Forming Unit

[More info](#)

> diamidex.com



MATRICES TESTED

Tested on **101** water samples. Tested on **41** brands of bottled water from **18** countries.



18 countries

COMPARISON WITH ISO 16266

Tested on **610** samples according to the MICA *Pseudomonas* and ISO 16266 protocols.

Specificity: 98.8%

Sensitivity: 91.7%

NPV: 97.6%

PPV: 95.7%

INCLUSIVITY / EXCLUSIVITY

SPECIES / SEROGROUPS	NUMBER OF STRAINS	ORIGIN	DETECTION WITH MICA <i>Pseudomonas</i>
<i>Pseudomonas aeruginosa</i>	22	ATCC 10145, ATCC 2328, ATCC 19429, ATCC 15442, ATCC 9027, ATCC 23389, ATCC 33359, ATCC 9027, CIP A22, ATCC 27853, + 5 environmental strains, + 3 human clinical strains	+
<i>Pseudomonas spp.</i>	22	<i>P. rhodesiae</i> , <i>P. jessenii</i> , <i>P. mandelii</i> , <i>P. alcaligenes</i> , <i>P. monteilii</i> , <i>P. luteola</i> , <i>P. oleovorans</i> , <i>P. oryzihabitans</i> , <i>P. stutzeri</i> , + 13 environmental strains	-
Other species	15	<i>Alcaligenes faecalis</i> (ATCC 8750), <i>Aureobacterium anophagephaga</i> (<i>Microbacterium saperdae</i> , ATCC 19272), <i>Aerococcus viridans</i> (ATCC 11563), <i>Aeromonas allosaccharophila</i> (ATCC 51208), <i>Burkholderia ambifaria</i> (CIP 107266T), <i>Burkholderia cepacia</i> (ATCC 25608), <i>Burkholderia gladioli</i> (ATCC 10248), <i>Klebsiella oxytoca</i> (ATCC 13182), <i>Klebsiella pneumoniae</i> (ATCC 13883), <i>Acinetobacter baumannii</i> (ATCC 19606), <i>Acinetobacter calcoaceticus</i> <i>lwoffii</i> (ATCC 17925), <i>Acinetobacter haemolyticus</i> (ATCC 17906), <i>Serratia liquefaciens</i> (ATCC 27592), <i>Serratia marcescens</i> (ATCC 14756), <i>Acinetobacter radioresistens</i> (ATCC 43998)	-

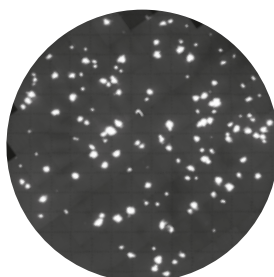
PRESENCE OF *PSEUDOMONAS AERUGINOSA*

ISO result at 24h



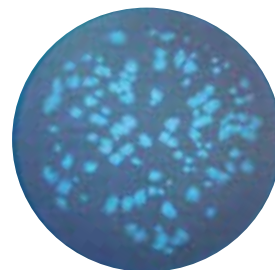
 Invisible with UV lamp

MICA result at 24h



 Visible with MICA counter

ISO result at 44h



Visible with UV lamp