ITW PanReac AppliChem ITW Reagents

infoPoint

Water Microbiology

Complete Solutions for Microbiological Control

Culture media, ready-to-use plates, and accessories for the detection, enumeration, and control of microorganisms in all water types.

- Drinking Water
- Bottled Water
- Industrial Water
- Swimming Pool and Recreational Waters
- Pharmaceutical Industry
- Food and Beverage Industry



Key Microbiological Parameters — Standardized Methods. Reliable Results.

E. coli and Total Coliforms



CCA Chromogenic Coliform Agar ISO 9308-1

- Simultaneous detection of *E. coli* and coliforms
- Excellent recovery rates
- High chromogenic contrast
- Ideal for samples with low contamination

446910.0922
Prepared Plates
(30 plates ∅ 55 mm)

447153.0922
Prepared Plates
(30 plates ∅ 55 mm)

Enterococci



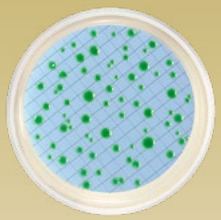
Slanetz Bartley, Medium ISO 7899-2

- Detection and enumeration of enterococci
- Excellent recovery rates
- Suitable for drinking and bottled water

413812.1210
Dehydrated Medium (500 g)

443812.0922
Prepared Plates
(30 plates ∅ 55 mm)

Pseudomonas aeruginosa



Pseudomonas CN Agar ISO 16266

- Selective detection of *P. aeruginosa*
- Creamy-white colonies with a mucoid appearance
- Ideal for drinking, mineral, and industrial water

413752.1210
Dehydrated Medium (500 g)

443752.0922
Prepared Plates
(30 plates ∅ 55 mm)

Total Microbial Count



Tryptone Yeast Extract, Agar ISO 6822

- Enumeration of aerobic microorganisms at 22°C and 36-37°C
- Microbiological quality control of water
- Suitable for drinking, bottled, and process water

416106.1210
Dehydrated Medium (500 g)

446106.0922
Prepared Plates
(30 plates ∅ 55 mm)

PanReac AppliChem
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Water Microbiology

Other Solutions for Water Testing Laboratories

Clostridium perfringens and Sulfite-Reducing Clostridia





TSC Agar

- Detection and enumeration of *C. perfringens* (including spores)
- Reference method (ISO 14189)

445576.0922
Prepared Plates
(30 plates ∅ 55 mm)

SPS Agar

- For Sulfite-Reducing Clostridia
- Especially suitable for mineral and spring water

414125.1210
Dehydrated Medium (500 g)

Membrane Filtration

Practical and Reliable System for Microbiological Water Analysis

Analytical Funnel

- 0.45 µm membrane
- Individually sterilized
- Easy to use
- Ideal for the analysis of pharmaceutical, drinking, and process waters
- Compatible with ISO methods



AFW-045MC
White Analytical Funnel 0.45 µm

Advantages

- ✓ Removable membrane
- ✓ High microbiological recovery
- ✓ Simple and safe to use
- ✓ Reliable results
- ✓ Compatible with PanReac AppliChem culture media

Why Choose PanReac AppliChem?

- A leading European manufacturer
- Culture media compliant with ISO standards and Pharmacopoeias
- Dehydrated and ready-to-use formats available
- Comprehensive Certificates of Analysis (CoA)
- Expert technical support and assistance



Culture Media of Interest

Product	Application
453792.0922 Nutrient Agar (ISO 6579, ISO 10273, ISO 19250) (Prepared Plate (@ 90 mm))	General microbiological quality control
413795.1210 Buffered Peptone Water (ISO 11133, ISO 11290, ISO 19250, ISO 21528, ISO 6579, ISO 6887) (Dehydrated Culture Media)	Dilutions and sample preparation
493795.0981 Buffered Peptone Water (ISO 6579, ISO 22964, ISO 6887, DIN 10181, 10160) (Prepared Bottles)	Cell recovery (ISO 6579, 6887)
455095.0922 TSA-Tween-Lecithin-Agar (Ph. Eur.) (Prepared Plate (@ 90 mm))	Routine enumeration
413820.1210 Tryptone Soy Broth (TSB) (Ph. Eur., USP, ISO) (Dehydrated Culture Media)	Microbiological enrichment
453842.0922 Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Prepared Plate (@ 90 mm))	Yeasts and molds in water and environmental samples



Reference Standards (Examples)

Parameter	Method	Recommended product
E. coli	ISO 9308-1	CCA Chromogenic Coliform Agar
Total Coliforms	ISO 9308-1	CCA Chromogenic Coliform Agar
Enterococci	ISO 7899-2	Slanetz Bartley Medium
Pseudomas aeruginosa	ISO 16266	Pseudomonas CN Agar
Clostridium perfringens	ISO 14189	TSC Agar
Aerobic Count (22 °C)	ISO 6222	Tryptone Yeast Extract Agar
Aerobic Count (37 °C)	ISO 6222	Tryptone Yeast Extract Agar

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