

Water Testing Solutions



IDEXX Water Test Kit Applications



Drinking water



On-Premise water



Wastewater



Additional testing

IDEXX Test Procedure



Snap Pack Technology

Colilert, Colilert*-18, Colisure*, Enterolert*, Pseudalart*, and HPC for Quanti Tray* agents come in snap packs. This Packaging allows for easy, compact storage of our reagent at room temperature. Our "five-across" format requires minimal shelf space and offers a wide spout for fast, easy pouring. The plastic casing acts as a moisture barrier, preserving the product without the need for refrigeration.

Defined Substrate Technology

Defined Substrate Technology* (DST*) is the foundation for IDEXX's coliform, Escherichia coli and enterococci tests. Our coliform/E. coli reagents simultaneously detect coliforms and E. coli through the activity of the enzymes beta-galactosidase and beta-glucuronidase, respectively.

Quanti-Tray technology

Quanti-Tray is an innovative advance in bacterial enumeration. When used with IDEXX reagents, Quanti-Tray provides an automatic sample-handling system to produce bacterial counts with membrane filtration accuracy for total coliforms, E. coli, enterococci, P. aeruginosa, and L. pneumophila. Quanti-Tray eliminates subjective colony interpretation and time-consuming confirmation.

Presence/Absence

Step 1



Add reagent to sample and incubate at $35^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$ for 24 hours.

Step 2



Read results:

Colourless = negative
Yellow = total coliforms
Yellow/fluorescent = E. coli



Quantification

Step 1



Add reagent to sample.

Step 2



Pour into Quanti-Tray (counts from 1–200) or Quanti-Tray/2000 (counts from 1–2,419).

Step 3



Seal in Quanti-Tray Sealer and place in $35^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$ incubator for 24 hours.

Step 4: Quanti-Tray/2000



Quanti-Tray/2000—Read results:

Yellow wells = total coliforms
Yellow/fluorescent wells = E. coli
Count positive wells and refer to MPN table

International Approvals & Standardization



ASTM INTERNATIONAL
Helping our world work better

IDEXX Test Comparison

Product Presence/Absence Quantification Approval

Colilert

Analyte
Total coliforms
and *E. coli*

Time to result
24 hours

Also Available Colilert-250



Result: Colorless = Negative; Yellow = Total Coliforms; Yellow/Fluorescence = *E. coli*



SM 9223B

Colilert-18

Analyte
Total coliforms
and *E. coli* or
fecal coliforms

Time to result
18 hours



Result: At 35°C Colorless = Negative; Yellow = Total Coliforms; Yellow/Fluorescence = *E. coli*
Result: At 44.5°C Colorless = Negative; Yellow = Fecal Coliform



SM 9223B



ISO 9308-2:2012

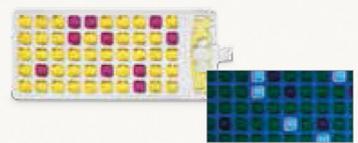
Colisure

Analyte
Total coliforms
and *E. coli*

Time to result
24 hours



Result: Yellow = Negative; Magenta = Total Coliforms; Magenta/Fluorescence = *E. coli*



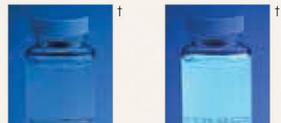
SM 9223B

Enterolert

Analyte
Enterococci

Time to result
24 hours

Also Available Enterolert-250



Result: Nonfluorescence = Negative; Fluorescence = Enterococci



SM 9230D

Pseudalert

Analyte
Pseudomonas aeruginosa

Time to result
24 hours

Also Available Pseudalert-250



Result: No Blue Fluorescence = Negative; Blue Fluorescence = *Pseudomonas aeruginosa*



ISO 16266-2:2018



AFNOR NF Validation
IDX 33/05-03/16

Legiolert

Analyte
Legionella pneumophilla

Time to result
7 days



Result: Tan color = Negative; Brown color and/or turbidity = *Legionella pneumophilla*



AFNOR NF Validation
IDX33/06-06/19



ASTM International
D8429-21

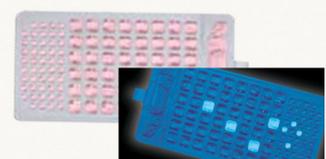
HPC for Quanti-Tray

Analyte
Heterotrophic
organisms

Time to result
44–72 hours



Result: No blue fluorescence = Negative; Blue fluorescence = Positive for heterotrophic organisms



Simplex for HPC

Analyte
Heterotrophic
plate counts

Time to result
48 hours



Result: Count the number of wells showing any fluorescence = Positive



SM 9215

† As viewed under UV light

Accessories



Quanti-Tray Sealer PLUS
Cat. No.: WQTSPLUS



Shrink-banded Vessel
Cat. No.: WV120SBST-200



Quanti-Tray/2000
Cat. No.: WQT-2K



Quanti-Tray/Legiolert
Cat. No.: WQTLGT-100



UV Lamp
Cat. No.: WL160



UV Viewing Cabinet
Cat. No.: WCM10



**Colilert and Colilert-18
P/A Comparator**
Cat. No.: WP104



**Quanti-Tray/2000
Comparator**
Cat. No.: WQT2KC



Legiolert Pretreatment
Cat. No.: WLGT-PRE



Legiolert Supplement
Cat. No.: WLGT-SUP

Introducing Colilert 250

Colilert 250

- Simultaneously detects both total coliforms and Escherichia coli in a 250 mL format.
- The Colilert 250 Test provides coliform/E. coli detection with confirmed results in 24 hours in a 250-mL format.



Presence/Absence

Step 1



Add reagent to sample and incubate at $36^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for 24 hours.

Step 2



Read results:
Colorless = negative
Yellow = total coliforms
Yellow/fluorescent = E. coli

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