

Chemical Product Sheet

Most Probable Number Test

**PRODUCT NAME:**

Quanti-Tray® & Quanti-Tray®/2000
(Product #WQT100, WQT-2K)

TEST TYPE:

Most probable number (MPN)

PRODUCT DESCRIPTION:

The Quanti-Tray and Quanti-Tray/2000 tests for E. coli and coliform bacteria using a plastic, sterile, disposable tray designed for Colilert, Coilert-18 or Colisure culture media.

The Quanti-Tray uses the MPN approach to determine the number of bacteria by dividing a 100 mL water sample into 51 wells. After incubation, the number of positive wells can be converted to an MPN. The Quanti-Tray provides bacterial counts from 1–200/100 (without dilutions).

The Quanti-Tray/2000 is based on the same statistical model as the traditional 15-tube serial dilution. With the Quanti-Tray/2000, the sample is automatically divided into 97 wells of two different sizes by the Quanti-Tray® Sealer and dilution is not required. After incubation, the Quanti-Tray/2000 provides bacterial counts from 1–2,419/100 mL.

MANUFACTURERS:

IDEXX Laboratories, Inc.
One IDEXX Drive
Westbrook, Maine 04092 USA

Tel: +1-207-556-4496 or 1-800-321-0207

Fax: +1-207-556-4630

water@idexx.com

<https://www.idexx.com/en/water/water-products-services/colilert/>

AVAILABILITY:

USA and international

COST:

Contact IDEXX Laboratories, Inc. for pricing.

CATALOGUE NUMBER	MANUFACTURING NUMBER	PRODUCT DESCRIPTION
WP020I	98-12972-00	Colilert for 100 mL Sample, 20-pack
WP100I	98-27163-00	Colilert for 100 mL Sample, 100-pack
WP200I	98-12973-00	Colilert for 100 mL Sample, 200-pack
WQT100	98-21378-00	Quanti-Trays, 100-pack (0-200 MPN)
WQT-2K	98-21675-00	Quanti-Trays/2000, 200-pack (0-2,419 MPN)
WQTS2X-115	99-10893-01	IDEXX 110 Volt Quanti-Tray Sealer
WQTS2X-230	99-10896-01	IDEXX 220 Volt Quanti-Tray Sealer
WL200	98-06423-00	4-Watt Pocket UV Light

STORAGE:

The shelf life is up to 3 years from the date of manufacture. When storing opened bags of trays, fold over the opened end of the bag and seal with tape.

MAINTENANCE:

Trays are disposed after use.

OTHER NECESSARY PRODUCTS:

Incubator, Colilert culture media, Quanti-Tray Sealer, UV light for reading *E. coli* results.



Quanti-Tray/2000 (Source: IDEXX)

This document is open content. You are free to:

- Share – to copy, distribute and transmit this document
- Remix – to adapt this document

Under the following conditions:

- Attribution. You must give credit to CAWST as the original source of the document. Please include our website: www.cawst.org

CAWST and its directors, employees, contractors and volunteers do not assume any responsibility for and make no warranty with respect to the results that may be obtained from the use of the information provided.



B12, 6020 – 2 Street SE
Calgary, Alberta T2H 2L8
Canada
+1 (403) 243-3265
resources@cawst.org
cawst.org

To stay up-to-date and get support on:

- The latest updates to this document
- Other workshop and training related resources
- Using this document in your work

Visit resources.cawst.org