Charm Fast Phage Test
for Fecal Indicator in Drinking Water

8 hours

Product Overview

Positive

Negative
<1 pfu/100 mL

Charm Sciences' EPA Approved Fast Phage test detects coliphage, a viral indicator of fecal contamination in water, in less than 8 hours. With its fast results, Charm® Fast Phage enables municipalities and public health officials to be proactive – providing rapid remediation of vital risks in water supplies and wastewater management.

Current tests for coliphage take 36 - 60 hours for result. Fast Phage takes only 16 hours to confirm results and has an 8-hour predictor for fecal contamination, enabling a same-day public health response.

Complement your bacterial testing. Since 1990, viral contamination has been the source of more than half of all of waterborne illnesses[A]. Bacterial (coliform/E. *coli*) indicator tests for drinking water are blind to viral contamination, so even if water passes bacterial testing, it could still contain viral risk.

[A]Occurrence and Monitoring Document for the Final Ground Water Rule, October 2006
  http://www.epa.gov/ogwdw/disinfection/gwr/pdfs/support_gwr_occurance-monitoring.pdf

Charm Fast Phage Test:

✓ **Detects positives in less than 8 hours**

✓ **Confirms negatives in 16 hours**

✓ **Augments bacterial testing with viral indicator**

✓ **Contains pre-measured reagents, unit-dosed, and ready-to-use *E. coli* host**

✓ **Delivers clear, easy-to-read fluorescent results**

Simple Procedure[B]

| Start | Transfer For Fluorescent Predictor **5 hrs** | Transfer For Plaque Confirmation Assay **5 hr** | Fluorescent Warning **8 hrs** | Plaque Confirmation **16 hrs** |
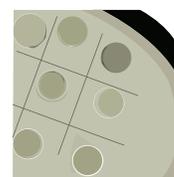
[B] For detailed explanation on procedure, please see Operator's Manual

CHARM SCIENCES INC

Fast Phage

Positive Prediction

Positive coliphage prediction in a working day enables faster response to fecal risks in the water supply and compliments bacterial test results with a viral indicator.

Response to Fecal Risks in the Water Supply

■ Preparation and Incubation   ■ Result Times

Rapid Bacterial Indicator Tests	Results in 18-28 hours
EPA Method 1601	Results in ~60 hours
Fast Phage	Step 1 / Plaque Confirmation / Results in 16-24 hours / 5.5-8 hours Step 2 ← Fluorescence Prediction

0 8 16 24 32 40 48 56 64 72
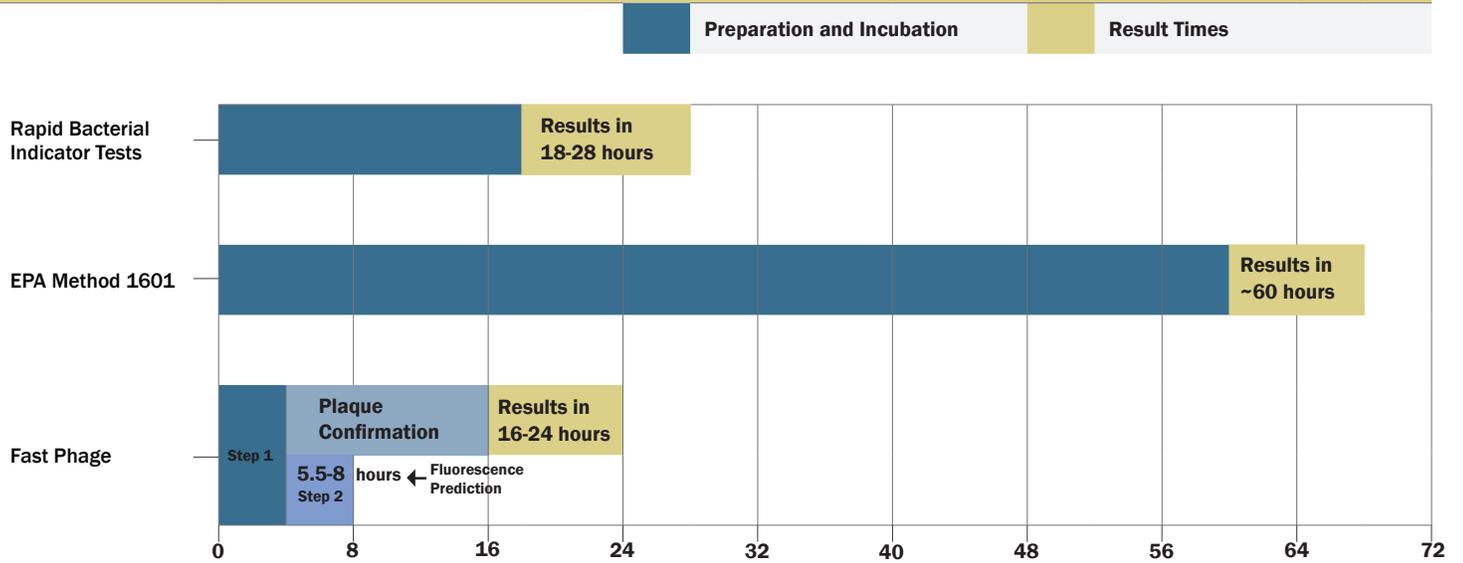
Ordering Info

Order Codes	Each Kit Includes
FP-SOM-25K **FP-FPLUS-25K**	25 Phage Somatic Presence/Absence Tests 25 Phage F+ Male Specific Coliphage Presence/Absence Tests

See Operator's Manual for additional kits and order codes