Charm Fast Phage Test
for Fecal Indicator in Drinking Water

Product Overview

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. 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.

*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

Start
Transfer For Fluorescent Predictor 5 hrs
Transfer For Plaque Confirmation Assay 6 hr
Fluorescent Warning 8 hrs
Plaque Confirmation 16 hrs

8 For detailed explanation on procedure, please see Operator’s Manual
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

- **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
  - **Step 2**
    - Fluorescence Prediction
    - Results in 5.5-8 hours

Ordering Info

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

See Operator’s Manual for additional kits and order codes.