

Topic: *Cryptosporidium* and *E. coli* monitoring under the LT 2 Rule
Title: National Primary Drinking Water Regulations: Long Term 2 Enhanced Surface Water Treatment Rule; Final Rule
Author(s): U.S. Environmental Protection Agency
Source: 40 CFR Parts 9, 141, and 142. Available at:
www.epa.gov/safewater/disinfection/lt2
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Rule Highlights:

- The purpose of the Long Term 2 Enhanced Surface Water Treatment Rule (LT2) is to reduce incidences of illness linked with the contamination of *Cryptosporidium* and other pathogenic microorganisms in drinking water.
- This rule applies to all public water systems that use surface water or ground water under the influence of surface water.
- ***Cryptosporidium* monitoring** – Large systems (serving >10,000) must monitor source water twice per month for *Cryptosporidium* for two years. Implementation is phased in with the largest systems (>100,000) beginning October 1, 2006. The LT 2 Rule lists EPA Methods 1622/1623 for the detection of *Cryptosporidium*, which includes IDEXX's Filta-Max[®] test method.
- ***E. coli* monitoring** - Small systems (serving <10,000) can monitor for *E. coli* (instead of *Cryptosporidium* to lower costs) in source water two times per month for one year or once per month for two years. This begins October 1, 2008. The LT 2 Rule includes Colilert[®] and Colilert[®]-18 in combination with Quanti-Tray[®] and Quanti-Tray[®]/2000 for the detection and enumeration of *E. coli*.
 - **Hold Times**- Samples held between 30 to 48 hours must be analyzed by the Colilert reagent.