



## Detection of Somatic Coliphages

**The European Directive 2020:2184 added coliphages as a parameter to be measured in water.**

Somatic coliphages can be detected using plaque assays as described in the set of ISO 10705 Standard. The process involves mixing a water sample with a culture of the host in a liquefied soft agar medium. This mixture is then poured onto pre-casted agar plates in petri dishes. After incubating overnight, the host cells form a continuous layer, or "lawn." If coliphages are present, they cause lysis of the host cells, resulting in visible plaques within the lawn.



## VIRAPREP® to concentrate sample by filtration

ISO10705-3 describes concentration techniques, including membrane filtration method, to reduce the amount of work. The new VIRAPREP® kit is compliant to this standard and operates by adsorbing coliphages onto cellulose-ester membranes using a binding buffer followed by an elution step and plating. Using Viraprep® kits to test 100 mL of water, only two plates are needed for inoculation instead of 20!

### Products ordering information:

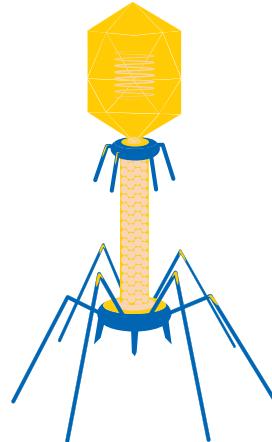
Code	Description	Format
AR00206	Somatic coliphages concentration kit	pack of 100 tests
PHIX174	VIRAPREP® Coliphage(ΦX174) Positive Control	pack of 1 × 20 tubes
BINDING-1	VIRAPREP® Binding Buffer	pack of 4 × 250 mL



### Scholten media products range according to ISO:

Code	Description	Format
5248-10x100 mL	SemiSolid Modified Scholten Agar (ss-MSA)*	Bottle 100 mL in 125 mL bottle (x10)
5247-10x200 mL	Modified Scholten Agar (MSA)*	Bottle 200 mL in 250 mL bottle (x10)
5249	Modified Scholten Broth (MSB)	Bottle 25 mL in 125 mL bottle (x10)

\*ss-MSA and MSA require the addition of Calcium Chloride.



To request more information  
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