



HEALTH PRODUCTS AND FOOD BRANCH

OTTAWA

SUMMARY OF METHODS THAT DETECT *E. COLI* O157:H7 IN THIS COMPENDIUM

NOTE: The following is a summary of methods that detect *E. coli* O157:H7 in the *Compendium of Analytical Methods* to aid the Laboratory Supervisor and Analyst to choosing the appropriate methods for the analysis of their sample(s). It is NOT an indication that each method must be used for each sample.

It is the responsibility of the Lab Supervisor to ensure that the latest version of each method and Supplements (as appropriate) are being used.

Method Type	Identification Number of Method and Supplements	Title
Screening (confirmation required with MFLP-80)	MFLP-12	Identification of <i>Escherichia coli</i> O157:H7 and Verotoxin-producing <i>Escherichia coli</i> O157:NM by the Warnex™ Real-time Polymerase Chain Reaction System
	MFLP-16	Detection of <i>Escherichia coli</i> O157:H7 in Foods - Assurance GDS™ for <i>E. coli</i> O157:H7 Gene Detection System
	MFLP-19	The Dupont™ Lateral Flow System™ Method for Detecting <i>E. coli</i> O157 in Raw Ground and Raw Boneless Beef
	MFLP-24	Identification of <i>Escherichia coli</i> O157 by the Genevision Real Time Polymerase Chain Reaction System
	MFLP-30	The Dupont Qualicon Bax® System Method for the Detection of <i>E. coli</i> O157:H7 in Raw Beef and Fruit Juice

Method Type	Identification Number of Method and Supplements	Title
	MFLP-81	Detection of Enterohemorrhagic <i>E. coli</i> (EHEC) in Food Products and Food Ingredients by the Assurance EHEC Enzyme Immunoassay (EIA) Method
	MFLP-82	Detection of <i>E. coli</i> O157 by the Merck Singlepath® <i>E. coli</i> O157 Kit (publication pending)
	MFLP-86	Identification of Presumptive Positive Verocytotoxicogenic <i>Escherichia coli</i> by the Polymerase Chain Reaction
	MFLP-87	Detection of Enterohemorrhagic <i>E. coli</i> (EHEC) in Food Products and Food Ingredients by the VIP for EHEC Method
	MFLP-91	Detection of <i>E. coli</i> O157 by the Tecra™ <i>E. coli</i> O157 Visual Immunoassay (VIA) Method
	MFLP-92	Detection of <i>Escherichia coli</i> O157 in Foods by Polymixin-based Enzyme-linked Immunosorbent Assay
Screening (confirmation included)	MFLP-94	The Eight Hour Reveal Method for Detecting <i>Escherichia coli</i> O157:H7 In Raw Beef and Environmental Samples.
	MFLP-95	The 20 Hour Reveal Method for Detecting <i>Escherichia coli</i> O157:H7 from Foods and Environmental Samples.
Isolation and Identification	MFLP- 80	Isolation of <i>E. coli</i> O157 in Foods
	MFLP- 90	Identification of <i>E. coli</i> O157 by DynaBeads™ anti- <i>E. coli</i> O157
Serology	MFLP- 80	Isolation of <i>E. coli</i> O157 in Foods
Verotoxin Testing	MFLP-83	Detection of Verotoxins VT 1 and VT 2 by the Merck Duopath® Verotoxin Kit (publication pending)
	MFLP- 89	Procedure for the Detection of Verocytotoxin-Producing <i>Escherichia coli</i> in Food Samples
	MFLP- 93	Identification of <i>Escherichia coli</i> Verotoxins by the Meridian Premier EHEC Kit™