



Microbiology

Matrices with low and high concentrations of analytes for testing bacteria in drinking water and waste water. Samples are delivered as lyophilized pellets in a glass vial with phosphate buffer dilution water.



Water Pollution (including UST in Water) PT Schedule

2026 Schedule

	Scheme #	Opens	Closes
Q	WP 372	Jan 20	Mar 6
	WP 373	Feb 16	Apr 2
	WP 374	Mar 16	Apr 30
Q	WP 375	Apr 20	Jun 4
	WP 376	May 18	Jul 2
	WP 377	Jun 15	Jul 30
Q	WP 378	Jul 20	Sep 3
	WP 379	Aug 17	Oct 1
	WP 380	Sep 14	Oct 29
Q	WP 381	Oct 16	Nov 30
	WP 382	Nov 6	Dec 21
	WP 383	Dec 14	Jan 28, 2027

2027 Schedule

	Scheme #	Opens	Closes
Q	WP 384	Jan 19	Mar 5
	WP 385	Feb 15	Apr 1
	WP 386	Mar 15	Apr 29
Q	WP 387	Apr 19	Jun 3
	WP 388	May 17	Jul 1
	WP 389	Jun 14	Jul 29
Q	WP 390	Jul 19	Sep 2
	WP 391	Aug 16	Sep 30
	WP 392	Sep 13	Oct 28
Q	WP 393	Oct 15	Nov 29
	WP 394	Nov 5	Dec 20
	WP 395	Dec 13	Jan 27, 2028

Schedule subject to change - see Waters ERA's website at eraqc.com

For the latest products and information, please visit us online at eraqc.com

Contents

CRM Certified Reference Material
PT Proficiency Testing
QR QuiK Response
RM Reference Material

All Waters ERA Microbiology PTs open monthly (**M**), quarterly (**Q**), or biannually (**B**) unless otherwise noted.

* Waters ERA Massachusetts Ground Water Enterococci PT is available any time. Quarterly months are January, April, July, and October. Biannual months are January and July.

Description	CRM	PT	QR	Page
Enterococci	081	880 Q	787QR	34
Heterotrophic Plate Count (WP)	—	935 B	—	34
Heterotrophic Plate Count (WS)	084	079 M	084QR	34
Massachusetts Ground Water Enterococci	081	077 *	—	34
Potable Water Coliform Microbe	694	080 M	085QR	34
Source Water Microbe	078	595 Q	078QR	34
Source Water Microbe - 9221	078A	595A Q	078AQR	34
Wastewater Coliform Microbe	083	576 M	786QR	34
Wastewater Coliform Microbe - 9221	083A	576A M	786AQR	34

CRM: A reference material characterized by a metrologically valid procedure for one or more specified properties, accompanied by a reference material certificate that provides the value of the specified property, its associated uncertainty, and a statement of metrological traceability.

A complete listing of ERA's CRMs can be found on our Scope of Accreditation for general requirements for competence of reference material producers available at eraqc.com/Accreditations.

PT: A Proficiency Test (PT) is an analysis of what is often referred to as a blind sample or a sample with unknown concentrations of analytes for the purpose of evaluating a laboratory's analytical performance.

QR: Similar to a Proficiency Test, a QuiK Response (QR) is a sample with unknown concentrations. However, unlike a scheduled PT, QR is on-demand and available at any time. Plus, your results are returned within two business days. QuiK Response can be used as a bilateral PT as referenced in the IUPAC/CITAC guide: Selection and use of PT schemes for a limited number of participants – chemical analytical labs.

RM: A material, sufficiently homogeneous and stable with respect to one or more specified properties, which has been established to be fit for its intended use in a measurement process.

Water Supply PT Schedule

2026 Schedule			
	Scheme #	Opens	Closes
Q	WS 354	Jan 12	Feb 26
	WS 355	Feb 9	Mar 26
	WS 356	Mar 9	Apr 23
Q	WS 357	Apr 13	May 28
	WS 358	May 11	Jun 25
	WS 359	Jun 8	Jul 23
Q	WS 360	Jul 13	Aug 27
	WS 361	Aug 10	Sep 24
	WS 362	Sep 8	Oct 23
Q	WS 363	Oct 9	Nov 23
	WS 364	Nov 2	Dec 17
	WS 365	Dec 7	Jan 21, 2027

2027 Schedule			
	Scheme #	Opens	Closes
Q	WS 366	Jan 11	Feb 25
	WS 367	Feb 8	Mar 25
	WS 368	Mar 8	Apr 22
Q	WS 369	Apr 12	May 27
	WS 370	May 10	Jun 24
	WS 371	Jun 7	Jul 22
Q	WS 372	Jul 12	Aug 26
	WS 373	Aug 9	Sep 23
	WS 374	Sep 7	Oct 22
Q	WS 375	Oct 8	Nov 22
	WS 376	Nov 1	Dec 16
	WS 377	Dec 6	Jan 20, 2028

WP Microbiology

Wastewater Coliform Microbe

CRM Cat. #083	PT Cat. #576	M	QR Cat. #786QR
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Each PT sample is one lyophilized quantitative standard for use with all Clean Water Act quantitative methods, including MF and MPN. If determining MPN by SM 9221 or similar multiple tube techniques, use 083A, 576A, or 786A.

CRM also includes one blank sample. Each standard can be used for total coliform, fecal coliform, and E. coli which are present in the range 20–2400 CFU/100 mL or MPN/100 mL.

Wastewater Coliform Microbe – 9221

CRM Cat. #083A	PT Cat. #576A	M	QR Cat. #786AQR
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Each PT sample is one lyophilized quantitative standard for use with Standard Methods 9221 or similar multiple tube techniques.

CRM also includes one blank sample. Each standard can be used for total coliform, fecal coliform, and E. coli which are present in the range of 20–2400 MPN/100 mL.

Enterococci

CRM Cat. #081	PT Cat. #880	Q	QR Cat. #787QR
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Each PT sample is one lyophilized standard, which can be analyzed for enterococci and/or fecal streptococci, MF or MPN in the range 20–1000 CFU/100 mL or MPN/100 mL.

CRM also includes one blank sample. Use with EPA Methods 1106.1 and 1600, ASTM Methods D5259-92, D6503-99, and Standard Methods 9230B and 9230C, and Enterolert Quantitray.

Heterotrophic Plate Count

CRM –	PT Cat. #935	B	QR –
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One lyophilized sample containing a Heterotrophic bacteria. SPC PT standards are required for laboratories seeking NELAC accreditation as well as by many other state programs.

B Offered Biannually in March and September.



Learn more about
Microbiology products

State-Specific Microbiology

Massachusetts Ground Water Enterococci

CRM Cat. #081	PT Cat. #077		QR –
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Each PT sample set is composed of 10 lyophilized samples to be analyzed for presence or absence of enterococci. This sample is specifically designed for the State of Massachusetts certification for compliance with the federal Ground Water Rule. Each CRM sample set is composed of two lyophilized samples - one quantitative positive and one blank.

* Massachusetts Ground Water Enterococci PT is available any time.

WS Microbiology

Heterotrophic Plate Count

CRM Cat. #084	PT Cat. #079	M	QR Cat. #084QR
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Each sample is one lyophilized standard containing a heterotrophic bacteria present in the range 5–500 CFU/mL or MPN/mL. Use with the Standard Methods 9215B – Pour Plate Method, and Most Probable Number (MPN) Method (simple).

Potable Water Coliform Microbe

CRM Cat. #694	PT Cat. #080	M	QR Cat. #085QR
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Each sample set consists of lyophilized standards for the presence or absence analysis of total coliform, fecal coliform, and E. coli. The standards are applicable to all SDWA promulgated methods-MF, MPN, presence/absence, and ONPG-MUG. The Potable Water Coliform Microbe PT standard is available in all 12-monthly WS studies.

Source Water Microbe

CRM Cat. #078	PT Cat. #595	Q	QR Cat. #078QR
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Each sample is one lyophilized quantitative standard containing E. coli in the range 20–200 CFU/100 mL or MPN/100 mL. Use with all SDWA quantitative methods. Each standard can be used for total coliform, fecal coliform, and E. coli. If determining MPN by SM 9221 or similar multiple tube techniques, use 078A, 595A, and 078AQR.

Source Water Microbe – 9221

CRM Cat. #078A	PT Cat. #595A	Q	QR Cat. #078AQR
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Each sample is one lyophilized quantitative standard containing E. coli in the range of 20–200 MPN/100 mL for use with Standard Methods 9221 or similar multiple tube techniques. Each standard can be used for total coliforms, fecal coliforms, and E. coli.

Going Beyond the Standard.

Supplying Proficiency Testing (PT) and Certified Reference Material (CRM) standards is not unique. What sets us apart is our commitment to being more than a standards provider. Since 1977, we've worked as your partner, helping you produce reliable, defensible data, maintain critical accreditations, and make your laboratory successful.

- **Data Tools to Help You Succeed:**
eDATA online PT data management portal allows you to effectively manage your proficiency testing program, assess risk, and evaluate trends over time.
- **Expert Guidance at Your Fingertips:**
Direct access to one of the most qualified Customer Service and Technical Support teams in the environmental PT and CRM industry.
- **Superior Standards for Better Results:**
Waters ERA maintains ISO 17025, ISO 17034, and ISO 17043 accreditations, giving you greater confidence in your data due to the largest studies, two-day report turn-around time, and more reliable performance evaluations.



LEARN MORE AT
eraqc.com/pt-crm-explained

