State of California—Health and Human Services Agency
Department of Health Services

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December 10, 2002

VENDOR INFORMATION UPDATE(1)
CALIFORNIA ELAP PERFORMANCE EVALUATION STUDY PROGRAM
WATER SUPPLY (WS) AND WATER POLLUTION (WP) STUDY SERIES
MICROBIOLOGY

Vendor information update 1 is in reference to the California State Environmental Laboratory Accreditation Program (ELAP) information package dated August 15, 2002. The analyte codes have been updated as indicated in the enclosed method description table.

Please contact Fred Choske at (510) 540[redacted] if you have any questions. Your cooperation is greatly appreciated.

Sincerely,

George Kulasingam, Ph.D.
Program Chief

[Signed by FC]

Fred Choske
Environmental Laboratory Accreditation Program

Enclosure
Method Description Tables

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Internet Address: www.dhs.ca.gov/ps/ls/elap/Elapindex.htm

MICROBIOLOGY PT STUDIES
METHOD DESCRIPTIONS & ANALYTE CODES

(November 2002)

In order to make uniform the method descriptions and to allow differentiation between methods employed by laboratories for routine sample analyses, a set of short-handed descriptions have been established for use, as depicted in the tables below. Soon, laboratories will be using these short-handed descriptions in reporting their results to the vendors. Vendors are encouraged to use the short-handed descriptions as provided by the laboratories, so that the California State Environmental Laboratory Accreditation Program (ELAP) can use the descriptions for assessment of the laboratories. Your cooperation is greatly appreciated. In addition to the method descriptions are analyte codes (which are expected to be used in providing electronic data via diskettes to ELAP), and reference methods (which are those that appear in Federal regulations and are provided here for information purposes only).

METHOD DESCRIPTIONS & ANALYTE CODES
MICROBIOLOGY
(Table 1)

Group of Analytes	ELAP/EPA Analyte Codes	NELAP Analyte Codes	Method Description*	Reference Method
DRINKING WATER MATRIX				
Multiple Tube Fermentation (or "Fermentation") Methods:				
Total Coliform	0252	2500	MTFLTB	SM9221A,B
Fecal Coliform	0253	2530	MTFEC	SM9221E
E.coli	0253	2525	MTFECMUG	CFR 141.21(f)(6)(i)
Clarks (or "P-A") Methods:				
Total Coliform	0254	2500	Clarks	SM9221D
Fecal Coliform	0255	2530	ClarksEC	SM9221E
Fecal Coliform	0255	2525	ClarksECMUG	CFR 141.21(f)(6)(i)
Membrane Filtration (or "Filtration") Methods:				
Total Coliform	0250	2500	MFmENDO	SM9222A,B,C
Fecal Coliform	0251	2530	MFEC	SM9221E
E.coli	0251	2525	MFECMUG	CFR 141.21(f)(6)(i)
E.coli	0251	2525	MFNAMUG	CFR 141.21(f)(6)(ii)

Group of Analytes	ELAP/EPA Analyte Codes	NELAP Analyte Codes	Method Description*	Reference Method
DRINKING WATER MATRIX (continued)				
"Chromogenic-Fluorogenic" Methods Involving Membrane Filtration:				
Total Coliform	0250	2500	MI	EPA/600/J-99/225
E.coli	0251	2525	MI	EPA/600/J-99/225
Total Coliform	0250	2500	mColiBlue24	Hach[1]
E.coli	0251	2525	mColiBlue24	Hach[1]
"Chromogenic-Fluorogenic" Methods Involving Single or Multiple Tube Processes:				
Total Coliform	0256	2500	Colilert	SM9223
E.coli	0257	2525	Colilert	SM9223
Total Coliform	0256	2500	Colilert18	SM9223
E.coli	0257	2525	Colilert18	SM9223
Total Coliform	0256	2500	Colisure	Idexx[2]
E.coli	0257	2525	Colisure	Idexx[2]
Total Coliform	0256	2500	EColite	Charm[3]
E.coli	0257	2525	EColite	Charm[3]

Notations:

* The method descriptions must not contain spaces, hyphens, slashes, or commas.

1. Appears in the Code of Federal Regulations, volume 40, part 141.21(f)(6)(vii). Method is available from the Hach Company, 100 Dayton Avenue, Ames, IA 50010.

2. Appears in the Code of Federal Regulations, volume 40, parts 141.21(f)(3) and 141.21(f)(6)(iv). Method is available from IDEXX Laboratories, Inc., One IDEXX Drive, Westbrook, Main 04092.

3. Appears in the Code of Federal Regulations, volume 40, part 141.21(f)(6)(vi). Method is available from Charm Sciences, Inc., 36 Franklin Street, Malden, MA 02148-4120.

METHOD DESCRIPTIONS & ANALYTE CODES
MICROBIOLOGY

(Table 2)

Group of Analytes	ELAP/EPA Analyte Codes	NELAP Analyte Codes	Method Description*	Reference Method
HPC				
Heterotrophic Plate Count				
heterotrophic bacteria	0258	2555	HPC	SM9215B[4]

Notations:

* The method descriptions must not contain spaces, hyphens, slashes, or commas.

4. Method is the same for either drinking water or wastewater matrix.

METHOD DESCRIPTIONS & ANALYTE CODES
MICROBIOLOGY

(Table 3)

Group of Analytes	ELAP/EPA Analyte Codes	NELAP Analyte Codes	Method Description*	Reference Method
DRINKING WATER SOURCE ("SOURCE WATER")[5]				
Multiple Tube Fermentation (or "Fermentation") Methods:				
Total Coliform	0767		MTFLTB	SM9221B
Fecal Coliform	0768		MTFEC	SM9221C,E
Fecal Coliform	0768		MTFA1	SM9221E
Membrane Filtration (or "Filtration") Methods:				
Total Coliform	0767		MFmENDO	SM9222B
Fecal Coliform	0768		MFMFC	SM9222D
Chromogenic-Fluorogenic Methods Involving Membrane Filtration:				
Total Coliform	0767		MI	EPA/600/J-99/225
Chromogenic-Fluorogenic Methods Involving Single or Multiple Tube Processes:				
Total Coliform	0767		ColilertMTF	SM9223
Total Coliform	0767		ColilertQT	SM9223
Total Coliform	0767		Colilert18MTF	SM9223
Total Coliform	0767		Colilert18QT	SM9223

Notations:

* The method descriptions must not contain spaces, hyphens, slashes, or commas.

5. Laboratories may analyze wastewater PT study samples with the methods indicated for this category of testing.

METHOD DESCRIPTIONS & ANALYTE CODES
MICROBIOLOGY

(Table 4)

Group of Analytes	ELAP/EPA Analyte Codes	NELAP Analyte Codes	Method Description*	Reference Method
WASTEWATER MATRIX				
Multiple Tube Fermentation (or "Fermentation") Methods:				
Total Coliform	0252	2500	MTFLTB	SM9221B
Fecal Coliform	0253	2530	MTFEC	SM9221C,E
Fecal Coliform	0253	2530	MTFA1	SM9221E
Membrane Filtration (or "Filtration") Methods:				
Total Coliform	0250	2500	MFmENDO	SM9222B
Fecal Coliform	0251	2530	MFMFC	SM9222D

NOTATION:

* The method descriptions must not contain spaces, hyphens, slashes, or commas.