

LPET Update

Eastern FDA Milk Seminar

TEAM UPDATE

The LPET consists of ten (10) members:

Thomas E. Graham, Ph.D., Team Leader, LEO

Ravinder Reddy, Ph.D., Microbiologist

William W. Northeimer, Ph.D., Microbiologist, LEO

Edgar G. Murakami, Ph.D., Agricultural Engineer

Vishnu Y. Patel, Microbiologist

Robert Newkirk, Microbiologist

Samantha Lindemann, Microbiologist

Yang Chen, Chemist (Goldbelt Fellow)

Salvador Lopez, Chemist (Goldbelt Fellow)

Matthew Kmet, QC Coordinator (Goldbelt Fellow)

TEAM UPDATE

- We conducted triennial State Central Laboratory on-site evaluations at 14 locations in 2019.
- We also conducted triennial check evaluations for 26 current and initial check evaluations for 10 new State Laboratory Evaluation Officers

TEAM UPDATE

- ISO 17043
 - The Proficiency Test Team, which includes the LPET and IIT, successfully passed its first biennial audit for ISO 17043 accreditation for the preparation and shipment of proficiency test samples with no deviations. LPET is the only CFSAN laboratory with accreditation for proficiency testing.

TEAM UPDATE

State LEOs

- Currently there are 93 state milk laboratory evaluation officers (LEOs).
- Over the last year 16 LEOs: CA, FL (2), ID, IN, KS (2), MD, MS, NY (3), PA , SC, VA, VT have left the program.
- Several current LEOs are considering retiring or moving on within a year or so.

ANNOUNCEMENTS AND OTHER INFORMATION

FDA 2400 Series Forms

- A new drug test has been approved: Charm BL30SEC. For cow milk only. EZ Reader only.
- The Idexx Tetracycline Snap has been updated to 2400 status and included in M-a-85.
- Approval of Modified Colitag™ for source water testing.

ANNOUNCEMENTS AND OTHER INFORMATION

- Release of memoranda to updated test kit information
- M-a-85 revision 17 (in process)
- M-I-96-10 revision 11 (in process)

ANNOUNCEMENTS AND OTHER INFORMATION

- Release of memoranda
- M-a-98 revision 1
- Adds products, tests and adjusts testing requirements
- Old tests removed.
- Dairy Water section extensively revised.

ANNOUNCEMENTS AND OTHER INFORMATION

- This should have come out a long time ago.
- You are correct
- The sign on my door states:
- Basically its Tom's fault.

M-a-98

BACTERIAL COUNT METHODS – MICROBIOLOGY	RAW COW MILK	RAW GOAT MILK	RAW SHEEP MILK	RAW WATER BUFFALO MILK	RAW CAMEL MILK	PAST. WHITE MILK (ALL FAT LEVELS)	PAST. CHOCOLATE MILK (ALL FAT LEVELS)	PAST. STRAWBERRY MILK (ALL FAT LEVELS)	PAST. OTHER FLAVORS (ALL FAT LEVELS)	PAST. LACTOSE REDUCED MILK AND LOW-SODIUM MILK	PAST./UP ½ & ½ AND CREAM (ALL FAT LEVELS)
PLATE LOOP COUNT (PLC) (Raw Milk Only) (SPC, PAC or RAC)	X	X	X SPC & PAC Only	X SPC & PAC Only	X SPC & PAC Only						
CHARM® PEEL PLATE® AEROBIC COUNT (PPAC)	X	X	X	X	X	X	X	X		X	X
SPIRAL PLATE COUNT (SPLC) (Raw Milk Only)	X	X	X	X	X						
BENTLEY BACTOCOUNT IBC (BCC) (Raw Milk Only)	X	X**	X**	X**	X**						
BENTLEY BACTOCOUNT IBCM (BCMC) (Raw Milk Only)	X	X**	X**	X**	X**						
FOSS BACTOSCAN FC/FC+ (BSC) (Raw Milk Only)	X	X**	X**	X**	X**						

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DAIRY WATER METHODS	INDIVIDUAL WATER SUPPLY / SYSTEM (PRIVATE WELL; SPRING; SURFACE WATER; HAULED WATER)	RECLAIMED WATER-PLANT (CATEGORY 1)	PASTEURIZED EQUIVALENT WATER	RECIRCULATED COOLING WATER-SINGLE-SERVICE (WATER BATH)	RECIRCULATED COOLING WATER (SWEET WATER, CHILL WATER)	RECIRCULATED COOLING WATER (PROPYLENE GLYCOL)	RECLAIMED WATER-PLANT (CATEGORY 2-WATER COLLECTED/STORED)	RECLAIMED WATER-FARM
TOTAL COLIFORMS ONLY								
MOST PROBABLE NUMBER (MPN) MULTIPLE TUBE FERMENTATION (MTF) MEDIA: LST , BGLB				X	X	X	X	X
PRESENCE/ABSENCE (PA) MULTIPLE TUBE FERMENTATION (MTF) MEDIA: LST , BGLB				X	X	X	X	X
MEMBRANE FILTRATION (MF) MEDIA: m-Endo (Broth or Agar), LST , BGLB				X	X	X	X	X

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DAIRY WATER METHODS	INDIVIDUAL WATER SUPPLY / SYSTEM (PRIVATE WELL; SPRING; SURFACE WATER; HAULED WATER)	RECLAIMED WATER-PLANT (CATEGORY 1)	PASTEURIZED EQUIVALENT WATER	RECIRCULATED COOLING WATER-SINGLE-SERVICE (WATER BATH)	RECIRCULATED COOLING WATER (SWEET WATER, CHILL WATER)	RECIRCULATED COOLING WATER (PROPYLENE GLYCOL)	RECLAIMED WATER-PLANT (CATEGORY 2-WATER COLLECTED/STORED)	RECLAIMED WATER-FARM
TOTAL COLIFORMS AND E COLI								
MOST PROBABLE NUMBER (MPN) MULTIPLE TUBE FERMENTATION (MTF) MEDIA: LST, BGLB, EC MUG	X	X	X					
PRESENCE/ ABSENCE (PA) MULTIPLE TUBE FERMENTATION (MTF) MEDIA: LST, BGLB, EC MUG	X	X	X					
MEMBRANE FILTRATION (MF) MEDIA: m-Endo (Broth or Agar), LST, BGLB, EC MUG	X	X	X					

Dairy Water Testing

- 1-Testing for recirculated or category 2/farm reclaimed water is for total coliforms only. **DO NOT test or report these water types for E. coli.**
- 2-Test results that indicate positive for Total Coliforms must be subjected to testing for E. coli using EC MUG and require the use of an UV lamp to demonstrate fluorescence. **If testing for E coli is not performed DO NOT report as E coli not found.**

Dairy Water Testing

- 3-Determination of E coli in source waters found to contain coliforms when using Colilert®-18, Colilert®-24, Colisure, E*Colite or modified Colitag™ require the use of an UV lamp to demonstrate fluorescence. If testing for E coli is not performed/read, DO NOT report as E coli not found.

ANNOUNCEMENTS AND OTHER INFORMATION

- Release of 18th Edition Standard Methods
- In final review of chapters

ANNOUNCEMENTS AND OTHER INFORMATION

Milk Program Training Funds

- The FDA has reapproved the grant managed by AFDO to fund training for the milk and shellfish programs.
- This includes funding requests for:
 - FD373 LEO Workshop
 - FD374 Analyst Workshop
 - » Only for those required to attend
 - Lab Equipment

ANNOUNCEMENTS AND OTHER INFORMATION

- A proposal was submitted and accepted at the 2019 NCIMS Conference to require LEO attendance at FDA Milk Seminars once during their 3 year certification cycle.
- This revised requirement will be included in the 2019 Edition of the EML.

ANNOUNCEMENTS AND OTHER INFORMATION

FD373 LEO Workshop:

- April 20-24, 2020
- Long Beach, CA

FD374 Analyst Workshop:

- March 10-12, 2020
- Boise, ID
- Idaho Department of Agriculture

ANNOUNCEMENTS AND OTHER INFORMATION

Regional Meetings (M-I-17-7)

- Eastern Milk Seminar
 - October 28-30, 2019 in Madison WI

- Western Milk Seminar
 - May 4-7, 2020 in San Antonio, TX

Announcements and Other Information

NCIMS Biennial Conference

- 2021, Indianapolis, IN.

Any Questions?

FDA **U.S. FOOD & DRUG**
ADMINISTRATION

OFFICE OF REGULATORY AFFAIRS