

Designing a Sampling and Testing Plan

Eurofins Microbiology Laboratories – Colorado

1371 Horizon Avenue

Lafayette, CO 80026

Speakers subject to change

Registration & Continental Breakfast	8:00-8:30 am
Introductions and Background	8:30-8:45 am
Welcome from Eurofins	8:45- 9:00 am
Basics of applied microbiology <i>Jennifer McEntire, Ph.D., United Fresh & others</i>	9:00-9:45 am
<ul style="list-style-type: none"> • Testing for bacteria vs viruses vs parasites • Lag phase of growth; enrichment • Cell biology: DNA, RNA, protein 	
Method platforms: how they work, false positives & negatives, limit of detection <i>David Legan, Ph.D., Eurofins</i>	9:45- 10:30 am
<ul style="list-style-type: none"> • Culture based • DNA based • RNA based • Phage based 	
Break	10:30-10:45 am
Method validation process, validation vs valid method; matrix effects <i>Wes Colangelo, Ph.D., Neogen & De Ann Benesh, 3M</i>	10:45- noon
<ul style="list-style-type: none"> • AOAC, AFNOR, general concept • Performance tested method • Official analytical method 	
Lunch (provided)	noon – 1:00 pm
ICMSF sampling plan/ statistics of sampling <i>Don Schaffner, Ph.D. Rutgers University</i>	1:00 pm – 2:00 pm
<ul style="list-style-type: none"> • Homo vs heterogenous distribution of contaminant • Impact of # samples on statistical confidence • Impact of sample volume/mass • Historical/ reference information on rates of contamination (commodity/pathogen pairs) 	
Lab accreditation	2:00 pm – 3:00 pm
<i>Jordan Shaw, Eurofins</i>	
<ul style="list-style-type: none"> • ISO 17025 / scope of accreditation 	

• Proficiency testing	
Break	3:00 – 3:15 pm
Reportable food registry	3:15 – 3:45 pm
<i>Jennifer McEntire, Ph.D., United Fresh</i>	
• SAHCODHA hazard	
• Product “in your control”	
Legal ramifications	3:45 – 4:15 pm
<i>David Durkin, OFW Law</i>	
• Does your testing program impact liability?	
Panel discussion: when should you test for what, and how?	4:15 – 4:45 pm
Wrap up	4:45 – 5:00 pm