

Microbial Testing: Food Safety Lab

Food Microbiology testing is important to ensure the safety and quality of raw ingredients, finished product and environmental samples. The LSU Ag Center Food Safety lab helps food processors, laboratories and individuals in microbiological and safety issues related to their food products. Our lab focus is on Food Processing, Challenge studies, Validation tests, Shelf-Life studies, and Environmental monitoring. We also provide microbiology testing for verification of HACCP and GMP plans. We work closely with our clients to develop the best food microbiology testing procedures needed for their products taking into account the ingredients, pH, water activity, processing and storage conditions (time and temperature). Our facilities are Biosafety level 2, so we can work with a wide variety of pathogenic bacteria and viruses. Our lab has trained Food Microbiologists with over 20 years of experience who can handle not only your routine testing needs, but also your special projects, research projects, and product development analytical support.

Food Testing		
Test	Price*	Sample wt., g
Aerobic (Standard) Plate Count (Petrifilm)	\$ 25.00	100
Anaerobic Plate Count	\$ 80.00	100
<i>Bacillus cereus</i>	\$ 40.00	100
Campylobacter	\$ 40.00	100
<i>Clostridium perfringens</i>	\$ 100.00	100
<i>E. coli</i> - 3 Tube MPN	\$ 35.00	100
<i>E. coli</i> - VRB plate (petrifilm)	\$ 35.00	100
<i>E. coli</i> Q tray	\$ 40.00	100
<i>E. coli</i> H7:O157	\$ 80.00	100
<i>E. coli</i> in water (membrane filtration)	\$ 40.00	1000 mL
Environmental sampling	varies	varies
Enterobacteriaceae	\$ 35.00	100
Flat Sour Spores	\$ 60.00	100
Lactobacillus	\$ 40.00	100
<i>Listeria monocytogenes</i>	\$ 80.00	100
<i>Listeria</i> spp. (environmental)	\$ 65.00	100
Osmophilic Yeast	\$ 45.00	100
Pathogen Testing	\$ 80.00	100
<i>Pseudomonas aeruginosa</i>	\$ 40.00	100
Psychotropic/Psychrophilic Plate Count	\$ 25.00	100
<i>Salmonella</i> spp. Screening	\$ 40.00	100
<i>Salmonella</i> spp. Confirmation	\$ 80.00	100
<i>Shigella</i>	\$ 35.00	100
Standard Panel (APC, Y&M, <i>E. Coli</i> /coliforms, <i>S. aureus</i>)	\$ 100.00	100
<i>Staphylococcus aureus</i> - MPN	\$ 45.00	100
<i>Staphylococcus aureus</i> - Plate (Petrifilm)	\$ 30.00	100
<i>Streptococcus</i> spp.	\$ 35.00	100
Sulfide Spoilage Bacteria	\$ 40.00	100
Sulfide Spoilage Bacteria (Canners)	\$ 55.00	100
Thermophilic Anaerobic Spores	\$ 55.00	100
Total Coliforms - MPN	\$ 40.00	100
Total Coliforms - Petrifilm Plate	\$ 30.00	100
Validation process, shelf life, and challenge studies	varies	varies
<i>Vibrio</i> spp.	\$ 150.00	100
<i>Vibrio parahaemolyticus</i>	\$ 260.00	100
Yeast and Mold Count (Petrifilm)	\$ 30.00	100
<i>Yersinia enterocolitica</i>	\$ 35.00	100
pH	\$ 20.00	100
Water activity (Aw)	\$ 40.00	100

*Prices are subject to change

Contact Information revised: 06/27/2019

For Further Information, Contact:

Dr. Achyut Adhikari
Assistant Professor / Extension Food Safety Specialist
School of Nutrition and Food Sciences
130 Agricultural Chemistry Bldg
Office (225) 578-2529
Email: AcAdhikari@agcenter.lsu.edu