

YEAR 3 | ACCOMPLISHMENTS SUMMARY

ABOUT LFFM

THE LFFM PROGRAM is a comprehensive emergency response and surveillance cooperative agreement between FDA and Food Emergency Response Network (FERN) partner laboratories, supporting a wide range of analytical activities



LFFM supports an **integrated national laboratory network** that operationalizes **domestic mutual reliance** in support of an integrated food safety system (IFSS)

There are a total of **55 grantees** in the program



ISO 17025 ACCREDITATION

46 LFFM laboratories maintained **ISO 17025 accreditation** or enhanced their accreditation scope

PROCESS IMPROVEMENT

Switched from counting physical samples to **unique analyses** for **LFFM Product Testing Track accomplishments**

LFFM Product Testing Tracks Planning Process was released in **October 2022**

LFFM Work Planning Infographic/FAQ was released in **April 2023**

PROJECT AREAS (TRACKS)



FOOD DEFENSE

41 laboratories maintained readiness and capacity for the **analysis of foods involving intentional contamination** with microbiological, chemical, and/or radiological contaminants of terrorist concern



CAPACITY/CAPABILITY DEVELOPMENT (MICROBIOLOGY AND CHEMISTRY)

11 laboratories worked towards implementing **testing of dead-end ultrafiltration (DEUF) filters** from agriculture water collections for Salmonella

3 laboratories worked towards implementing **Sesame allergen testing** capability using **MAGPIX and ELISA kits**

2 laboratories worked towards implementing the **FDA Harmonized Pesticide Method**



WHOLE GENOME SEQUENCING (WGS)

31 laboratories submitted sequences for **5,980 enteric pathogen isolates** from food and environmental sources to NCBI

HUMAN AND ANIMAL FOOD PRODUCT TESTING TRACKS



MICROBIOLOGY

25 laboratories analyzed **8,406 human food samples**, and **16 laboratories** analyzed **2,709 animal food samples**



CHEMISTRY

26 laboratories analyzed **6,139 human food samples**, and **15 laboratories** analyzed **1,576 animal food samples**

RECALLS

21 recalls and **3 consumer advisories** resulted from **positive samples**

SPECIAL PROJECT TRACKS

SAMPLE COLLECTION TRACK

31 laboratories received funding to support **collection of samples** for the Product Testing Tracks

DATA EXCHANGE (DX) TRACK

1 laboratory received funding for **data system upgrades** that allow electronic submissions of **sample data to FDA**

METHOD DEVELOPMENT/METHOD VALIDATION (MDV) TRACK

12 laboratories participated in **3 microbiology MDV projects**
11 laboratories participated in **7 chemistry MDV projects**.
This included single and multi-laboratory validation and matrix extension studies; some projects are multi-year endeavors; 1 micro project was postponed/not accomplished

GENOMETRAKR SARS-COV-2 VARIANT SURVEILLANCE TRACK

15 laboratories extended the project to monitor circulating **SARS-CoV-2 variants** of concern in **wastewater**, and shared findings with **federal and state partners**

STRENGTHENING LABORATORY AND STATE REGULATORY PROGRAM PARTNERSHIPS



Expansion supplements (funding opportunity announcements) were issued for **MFRPS and AFRPS cooperative agreements** to support **investigation and compliance** activities stemming from LFFM samples. Click the links to learn more!