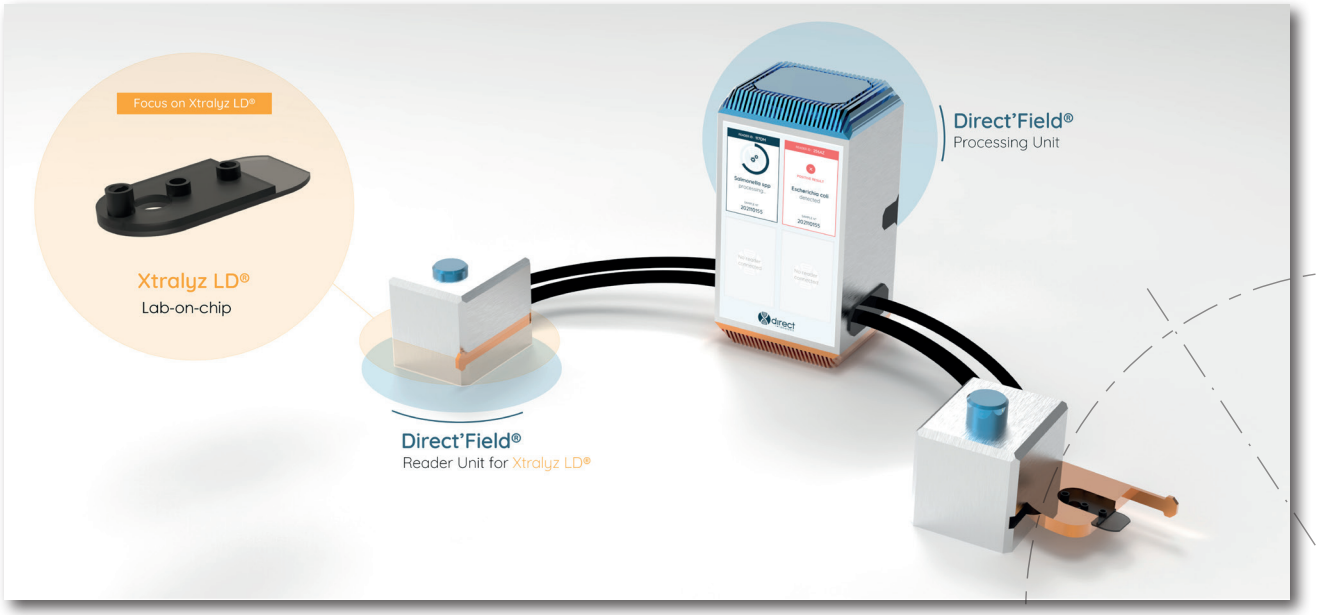


DIRECT'FIELD®

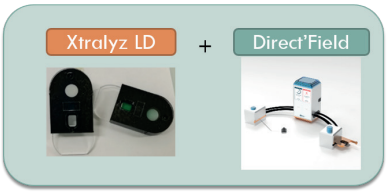
DIRECT ANALYSIS DEVELOPS DNA EXTRACTION SOLUTIONS FOR FASTER, EASIER, AND SAFER MICROORGANISM DETECTION

? WHO IS DIRECT ANALYSIS?

Direct Analysis, a CEA-Leti startup, initially developed Xtralyz®, a fast, easy-to-use lab-on-chip, to meet the food manufacturing industry's bacteriological testing needs.

Integrating Xtralyz® into a PCR or other biomolecular testing protocol can produce results four times faster.

Early detection of pathogens in food plants can help prevent human infection and reduce product recalls and discards



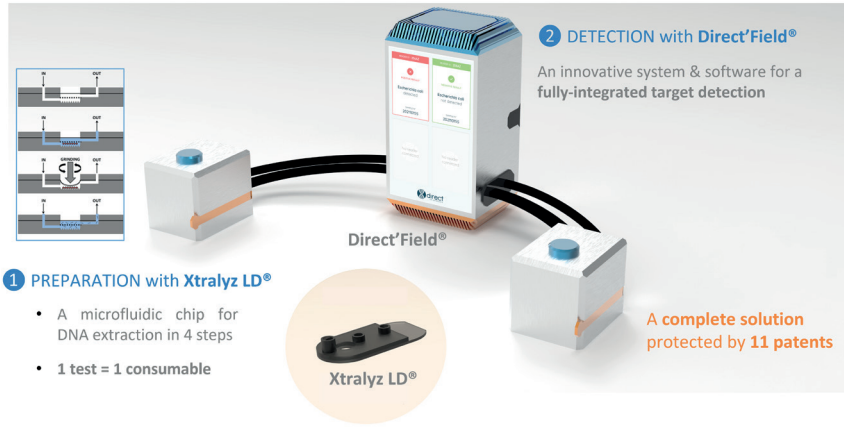
DEMO @ CES 2022

Direct Analysis will unveil its new Direct'Field® reader at CES® 2022. This revolutionary portable device prepares the sample and reads the DNA amplification test right at the sample collection point. Combined with our Xtralyz LD® consumables, our reliable and easy-to-use reader makes detecting and identifying bacteria simple: Just insert the chip into the Direct'Field® reader to get the test results.

! WHAT'S NEW?

A simple consumable integrates sample preparation and isothermal DNA amplification, for a solution that is both easy to use and extremely sensitive.

The Xtralyz LD® consumable lab-on-chip and compact Direct'Field® reader will bring the food manufacturing industry an efficient and cost-effective approach to microbiology testing.



APPLICATIONS

- Food manufacturing
- Environmental testing
- Cosmetics
- Pharmacology

KEY FIGURES:

- **600 million** people per year affected by food poisoning worldwide
- Market estimated at more than **$3.5 billion** by 2026
- Produces results **4x** faster than conventional testing
- Reduces CapEx by a factor of **10**

SCIENCE FOR A BETTER FUTURE

According to estimates, 600 million people are affected by food poisoning each year.
Making testing technology simpler and more accessible will enable broader use in the field by non-specialists. And more tests and faster results mean safer food.
The technology developed by Direct Analysis can rapidly detect the three main bacteria responsible for food poisoning: Salmonella, E. coli, and Listeria.
Real-time testing results will help limit the warehousing and shipping of contaminated products, reduce product recalls, and increase manufacturing productivity for tangible financial benefits.

>> WHAT'S NEXT?

Direct Analysis plans to develop a solution for labs to test for microorganisms in water (for environmental monitoring, pharma, and cosmetics).

INTERESTED IN THIS TECHNOLOGY?

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La FRENCH TECH

cea

DIRECT ANALYSIS is a CEA spinoff.