

Explify[®]



A Fully Supported NGS-based
Metagenomics Technology
Suite for Laboratories

What Drives Us at IDbyDNA

To identify any microorganism from any sample,
anywhere in the world.

What Powers Explify

Human ingenuity, billions of data insights, robust
microbial genomics, responsible AI, and mindfully
designed UX.

The Explify Platform Offers High-Quality, Actionable Results

- Unbiased, comprehensive, NGS-based
microorganism identification
- Detection of genetic markers for antimicrobial
resistance and pathogen quantification
- The platform can be adapted to meet individual
laboratory QA/QC requirements to ensure
comprehensive quality control

What We Do For Your Lab

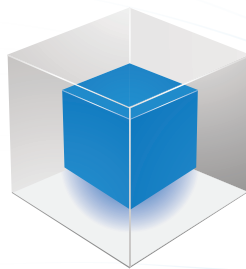
Laboratories often face high costs and other barriers to implementing metagenomics workflows. In addition to next-generation sequencing equipment, laboratories need to possess expertise in microbial genomics and bioinformatics, and powerful computation. Challenges are significant when building, updating, and version-controlling curated microbial genome databases to identify pathogens and interpret results. But now there is a solution.

With the Explify platform and our team's support, you can leap directly from sample to answers, avoiding biased results, years of research and development, and millions of dollars invested in human resources and infrastructure. We help you design a process that works for you.

We Focus on 3 Key Areas of Workflow Support:



Sample
Optimization &
Analysis



Quality Control



Results Review &
Reporting

Metagenomics analysis made s

Sample Optimization & Analysis

- Sequencing run preparation tailored to your needs
- Accessioning system architecture that ensures that all samples, controls, and reagents are properly tracked
- Best-in-class microbial classification covering 50,000+ microorganisms, including: 35,000+ viruses, 13,000+ bacteria, 4,000+ fungi, 150+ parasites, and 6,000+ human pathogens
- 30 million abstracts and publications mined from PubMed enabling Explify to prioritize the 3,000+ human pathogens based on unique disease phenotypes
- Self-learning, continually improving database and search functionality

Quality Control

- Consistently performed QA/QC checks to ensure quality, accuracy and efficiency in the lab
- Visual data analytics tool to display aggregated Explify sample information
 - Organisms detected
 - Run-QC and sample-QC trends
 - Instrument defects
 - Report turnaround times
 - Personnel productivity

Results & Reporting

- Workflows that can be validated for laboratories
 - Laboratory protocols
 - Data analysis algorithms and reference databases
 - Establishment of rigorous quality control metrics
 - Respiratory panel of 900 pathogens available today
 - UTI panel of over 100 pathogens available today
 - Revolutionary enrichment panel coming soon
- Enhanced graphical reporting with a curated list of microorganisms that provides medical professionals with the actionable results they need to personalize results
- Ability to create custom reports
 - Summary of suspected pathogens
 - Additional microorganisms identified
 - Interfaces with Laboratory Information Systems
 - The basic report format is supported by most EMR/EHR systems



smooth, easy, fast and objective.



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Tests developed on the Explify platform
provide actionable results

Laboratories using Explify can:

- Identify common and rare pathogens, pathogens that are difficult to culture, new strains or genetic variants and complex co-infections
- Develop new NGS-based LDT infectious disease applications using any sample-type
- Access existing respiratory and UTI Explify test profiles and lab protocols that provide more comprehensive test results and reporting
- Aid in identifying pathogens that were not identified by other detection methods as well as detection of genetic markers for antimicrobial resistance
- Report antimicrobial resistance genes

To learn more about the Explify platform,
please call or email the IDbyDNA Client
Services team at: 833-397-5439 or
clientservices@idbydna.com.



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