

# GENOMICS

Enfer Medical's Genomic's division, ELDA biotech, is dedicated to pushing the boundaries of next-generation sequencing techniques in clinical diagnostics.

## ENHANCING PATIENT CARE WITH ON-ISLAND NEXT GENERATION SEQUENCING

Enfer Medical is at the forefront of enhancing patient care with our on-island next-generation sequencing (NGS) solution for bacterial and fungal identification service. Our innovative approach ensures a swift 3-5 day turnaround time, providing healthcare professionals with rapid and accurate results. By leveraging advanced NGS techniques, we enhance sensitivity and species discrimination, surpassing the capabilities of traditional 16S and 18S rRNA sequencing methods.

### OUR OFFERING AT ENFER MEDICAL GENOMICS

- Culture independent bacterial and fungal identification service using next generation sequencing (NGS);
- Rapid turnaround time (3-5 days) allows tailored and timely antimicrobial therapy;
- Improved sensitivity and species discrimination compared to 16S and 18S rRNA sequencing;

**Sensitivity 87%**  
**Specificity 100%**

- Agnostic approach to bacterial detection – reduces bias;
- Identification of polymicrobial species present without enrichment;
- Bespoke reporting; and
- Performance in a ISO15189 laboratory.

### MY GREEN LAB

As a leading medical diagnostics company, we are committed to minimising our environmental footprint, conserving resources, and contributing to the well-being of the communities we serve.

Enfer Medical's commitment to enhancing patient care extends beyond rapid turnaround times to include a proactive approach to environmental sustainability. By keeping testing on the island of Ireland and avoiding overseas transport to the UK or France, we contribute to a significant reduction in hospital laboratories' carbon footprint. This conscientious choice aligns with our dedication to both efficient diagnostics and environmental sustainability, ensuring a positive impact on patient outcomes and the planet.

