

The New Era of Molecular Diagnostics

Fully automated solution
for on-demand targeted testing
of infectious diseases and antimicrobial resistance



NOVOdiag

by Mobidiag

The New Era of Molecular Diagnostics

Novodiag® is an innovative molecular diagnostics solution allowing fully automated detection of **infection diseases (Gastrointestinal, Respiratory and Healthcare-Associated Infections)** and the management of **Antimicrobial Resistance**.

Combining **qPCR and microarray technologies**, Novodiag® allows direct analysis of a patient sample placed in a disposable cartridge for **comprehensive screening** of multiple or single pathogens within approximately 1 hour, versus a few days with current culture methods. Thanks to this **unique and flexible solution**, clinicians can ensure patient care and safety requiring time-critical decisions in order to deliver early treatments and avoid infection spreading.

Automated 'sample-in, result-out' system enabling targeted testing



Novodiag® Instrument

- Touchscreen computer
- Dedicated intuitive software
- Barcode scanner

Characteristics

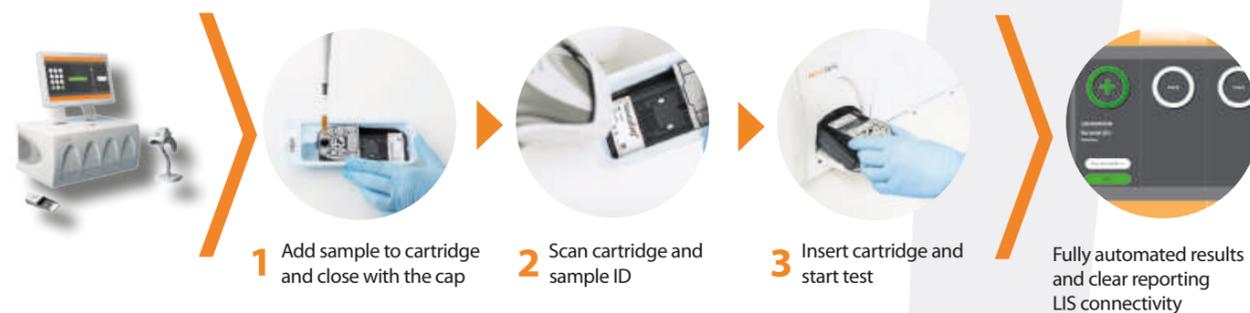
- From sample to results in about 1h
- Fully automated with minimal hands-on-time
- Easy to use
- On-demand testing (4 independent slots)
- Up to 4 instruments stacked (up to 16 independent tests at the same time)
- Compact



Novodiag® Test Cartridge

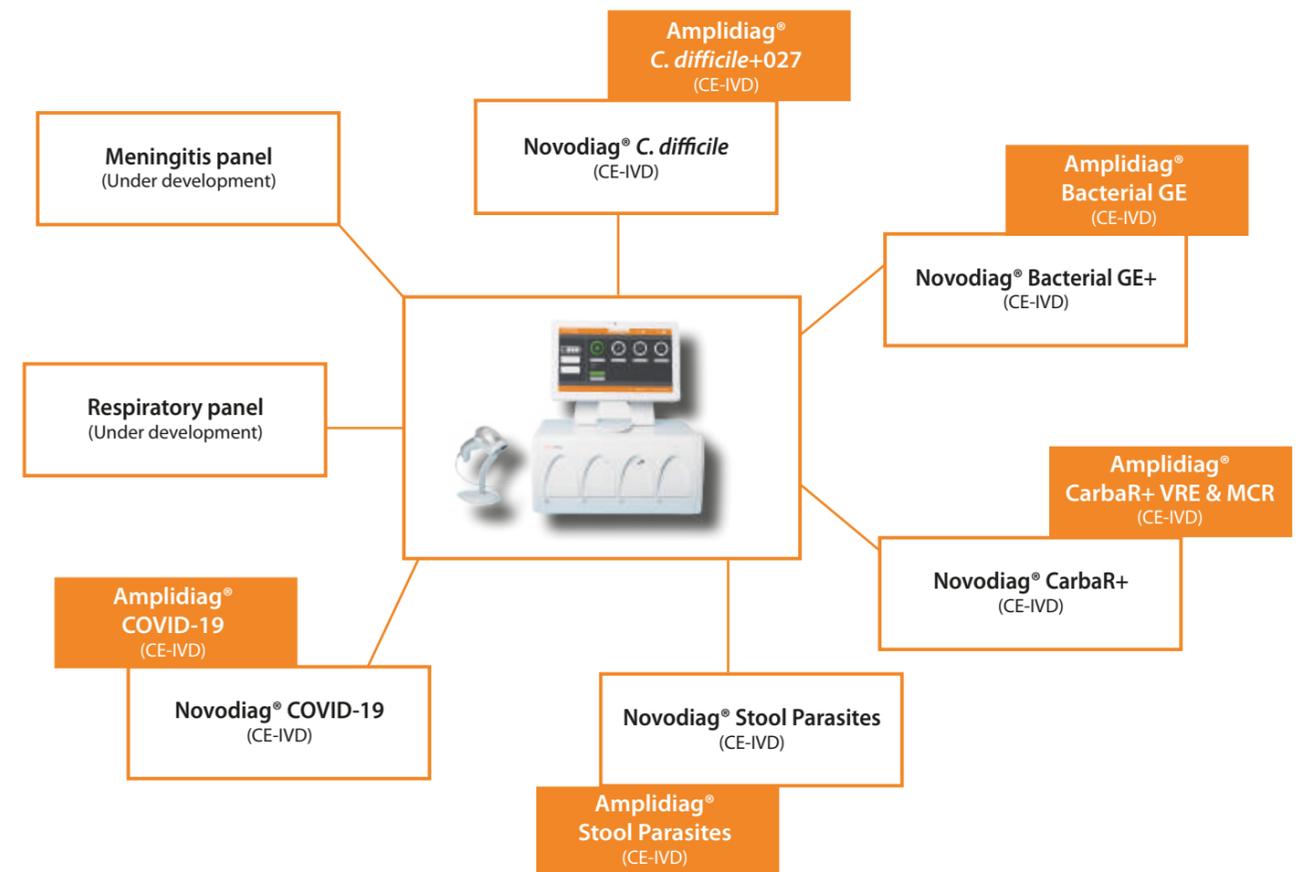
- Ready-to-use test cartridge containing all necessary reagents to perform the assay
- qPCR and microarray technologies
- High and low-plex
- Single-use
- Easily disposable
- Shipping and storage at room temperature

Workflow



Key advantages
High and low multiplexing capacities
Easy to use
Optimized workflow with on-demand testing (1 to 16 samples at a time)
Small footprint minimising bench space requirements
Cost-efficient
Dedicated support teams

Since its inception, Mobidiag has been developing state-of-the-art molecular diagnostics for infectious diseases, including **gastrointestinal, respiratory and antibiotic resistances**. Based on these expertise, the Novodiag® system offers a broad test pipeline towards **targeted testing** applicable to these key disease areas.



Gastrointestinal Infections

NOVODIAG
C. difficile

Product no : NVD-CD-012
Clostridium difficile
(gène toxine B)

NOVODIAG
Bacterial GE+

Product no : NVD-BGE-012
Campylobacter coli
Campylobacter jejuni
Clostridium difficile (gène toxine B)
EAEC
EHEC, gènes *Shiga*-toxine
stx1 et *stx2*
EPEC
ETEC
Salmonella spp.
Shigella spp./EIEC
Vibrio cholerae
Vibrio parahaemolyticus
Yersinia enterocolitica
Yersinia pseudotuberculosis/pestis

NOVODIAG
Stool Parasites

Product no : NVD-SP-010
Ancylostoma duodenale
Ascaris lumbricoides/suum
Balantidium coli
Blastocystis spp.
Clonorchis sinensis/Opisthorchis
spp./*Metorchis* spp.
Cryptosporidium spp.
Cyclospora cayetanensis
Cystoisospora belli
Dientamoeba fragilis
Diphyllobothrium latum/nihonkaiense
Encephalitozoon spp.
Entamoeba histolytica
Enterobius vermicularis
Enterocytozoon bieneusi
Fasciola spp.
Fasciolopsis buski
Giardia intestinalis
Hymenolepis diminuta
Hymenolepis nana
Necator americanus
Schistosoma mansoni
Schistosoma spp.
Strongyloides stercoralis
Taenia saginata/asiatica
Taenia solium
Trichuris spp.

Antimicrobial Resistance Management

NOVODIAG
CarbaR+

Product no : NVD-CRB-012
Detect >200 variants
KPC
NDM
VIM
IMP
OXA-23
OXA-24
OXA-48/181
OXA-51*
OXA-58
MCR-1

*Detected only if ISAbA1 is present

Respiratory Infections

NOVODIAG
COVID-19

Product no : NVD-CV-012
SARS-CoV-2 (gène orf1ab)
SARS-CoV-2 (gène N)

Panels under development

Respiratory panel (Influenza A, Influenza B, RSV, COVID-19)

Meningitis panel