The New Era of Molecular Diagnostics

Fully automated solution for on-demand targeted testing of infectious diseases and antimicrobial resistance
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
1. Add sample to cartridge and close with the cap
2. Scan cartridge and sample ID
3. Insert cartridge and start test

Fully automated results and clear reporting
LIS connectivity

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.

Novodiag® Stool Parasites
(CE-IVD)

Amplidiag® Stool Parasites
(CE-IVD)

Novodiag® C. difficile
(CE-IVD)

Amplidiag® C. difficile+027
(CE-IVD)

Meningitis panel
(Under development)

Novodiag® C. difficile+
(CE-IVD)

Amplidiag® COVID-19
(CE-IVD)

Novodiag® COVID-19
(CE-IVD)

Respiratory panel
(Under development)

Novodiag® Bacterial GE
(CE-IVD)

Amplidiag® Bacterial GE+
(CE-IVD)

Novodiag® CarbaR+
(CE-IVD)

Amplidiag® CarbaR+ VRE & MCR
(CE-IVD)

Novodiag® CarbaR+
(CE-IVD)

Meningitis panel
(Under development)
Gastrointestinal Infections

**NOVODIAG C. difficile**

Product no : NVD-CD-012

Clostridium difficile (gène toxine B)

**NOVODIAG Stool Parasites**

Product no : NVD-SP-010

Ancylostoma duodenale
Ascariis lumbricoides/suum
Balantidium coli
Blastocystis spp.
Clonorchis sinensis/Opisthorchis spp./Metorchis spp.
Cryptosporidium spp.
Cyclospora cayetanensis
Cystoisospora belli
Dientamoeba fragilis
Diphyllolothrium 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.

**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

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

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