Novodiag® System

Our high multiplex technology is precision engineered for simplicity, accuracy and affordability across a broad and growing menu of high and low-plex assays.

SMART SIMPLICITY in on-demand testing

- **Comprehensive screening** of single or multiple pathogens in approximately 1 hour
- Ability to **test up to 16 samples simultaneously*** optimises workflow
- **Fully-automated** with minimal hands-on time of <5 min
- **High quality performance** technology at an affordable cost
- **Smart technology** that combines easy to use functionality with PCR performance
- **Combined qPCR and microarray technologies** allows high-multiplexing and syndromic approach
- **High and low multiplexing capacities** within the same instrument
- **Dedicated support teams** with expert knowledge and experience
- **Targeted testing** enabled through the automated 'sample-in, result-out' system
- **Ready-to-use** with no technical preparation
- **User-friendly software** with automated analysis, clear display of results and different levels of access
- **Only one consumable** that is stored at room temperature and easily disposable

*A simple and fast way to pinpoint patients most at risk with targeted and syndromic on-demand testing. The small, quiet, stackable, fully-automated system combines easy-to-use functionality with PCR performance, to bring clinical confidence closer to patients.

*When 4 instruments are stacked.
With just a few simple steps you can deliver precise results in approximately an hour, bringing clinical confidence closer to patients.

A broad and growing menu of high and low-plex assays

- Bacterial GE+ (14 targets)
- C. difficile
- CarbaR+, including MCR (10 targets)
- Stool Parasites (26 targets)
- RESP-4 (4 targets: SARS-CoV-2, Flu A, Flu B & RSV)**
- COVID-19

### Specifications

#### Cartridge

<table>
<thead>
<tr>
<th>2 Technologies with independent channels</th>
<th>qPCR: Targeted Approach (low-plex)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microarray: Multiplex Approach (high-plex)</td>
<td>Procedure control (extraction and PCR), Hybridization control, Gridding control (microarray detection), cellularity / sampling control (COVID-19 only)</td>
</tr>
</tbody>
</table>

- **Internal controls**
- **Product quantities**
- **Shelf-life**
- **Environmental requirements**

#### Instrument

<table>
<thead>
<tr>
<th>Dimensions w x d x h</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 x 50 x 55cm including screen on top</td>
</tr>
<tr>
<td>125 x 50 x 100cm including screen on side</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 independent slots per single instrument</td>
</tr>
<tr>
<td>4 on-demand positions</td>
</tr>
<tr>
<td>Stack up to 4 instruments vertically</td>
</tr>
<tr>
<td>16 on-demand positions</td>
</tr>
</tbody>
</table>

- **Controls**
- **Random access**

#### Test panels

- **Gastrointestinal infections**
  - Novodiag® Bacterial GE+
  - Novodiag Stool Parasites

- **Antimicrobial resistance management**
  - Novodiag CarbaR+

- **Respiratory infections**
  - Novodiag COVID-19
  - Novodiag RESP-4

- **Hospital-acquired infections**
  - Novodiag C. difficile

**In development**

---

**Specifications**

- **Cartridge**
  - 2 Technologies with independent channels
  - qPCR: Targeted Approach (low-plex)
  - Microarray: Multiplex Approach (high-plex)

- **Internal controls**
  - Procedure control (extraction and PCR), Hybridization control, Gridding control (microarray detection), cellularity / sampling control (COVID-19 only)

- **Product quantities**
  - Box of 10 or 12 cartridges
  - Unit package (blister) for each cartridge

- **Shelf-life**
  - Up to 9 months

- **Environmental requirements**
  - Storage at room temperature

#### Instrument

<table>
<thead>
<tr>
<th>Dimensions w x d x h</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 x 50 x 55cm including screen on top</td>
</tr>
<tr>
<td>125 x 50 x 100cm including screen on side</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 independent slots per single instrument</td>
</tr>
<tr>
<td>4 on-demand positions</td>
</tr>
<tr>
<td>Stack up to 4 instruments vertically</td>
</tr>
<tr>
<td>16 on-demand positions</td>
</tr>
</tbody>
</table>

- **Controls**
  - Controlled by 1 single PC

- **Random access**
  - Run any tests simultaneously

#### Test panels

- **Gastrointestinal infections**
  - Novodiag® Bacterial GE+
  - Novodiag Stool Parasites

- **Antimicrobial resistance management**
  - Novodiag CarbaR+

- **Respiratory infections**
  - Novodiag COVID-19
  - Novodiag RESP-4

- **Hospital-acquired infections**
  - Novodiag C. difficile

**In development**