



# PRODUCT CATALOGUE

Molecular Diagnostics For Everyone

# FlashDetect™ Technology

## Fast, Simple, Accurate

Result in as fast as 15 mins



High Bio-safety



Random Access



Extraction Free



Small Footprint



Calibration Free



*FlashDetect™  
POCT System*

# Flash10



Multiplex Assay



Touch Screen



All-in-One System



Random Access



All-in-One Cartridge

**15 mins** Sample to Result

# Flash Robo



High  
Bio-safety



Independent  
Cycles



Rapid  
PCR Reaction



15 mins  
Sample to Result



All-in-One Cartridge

## Technical Specifications

|                                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Model                           | Flash Robo                                      |
| Detection Time                  | 15 mins                                         |
| Sample Input Slots              | 32                                              |
| Positive Sample Recycling Slots | 32                                              |
| Negative Sample Recycling Slots | > 64                                            |
| Temperature Accuracy            | Absolute error $\leq 0.5^{\circ}\text{C}$       |
| Fluorescence Channels           | 4 Fluorescence channels (FAM / VIC / ROX / Cy5) |
| Test Capacity                   | 2300 tests/day                                  |
| AI Software                     | AI Analysis & Interpretation                    |
| Dimensions                      | 1760 × 950 × 1890 mm                            |



# Flash20 POCT System



## Technical Specifications

CE IVD

|                      |                                                                                       |
|----------------------|---------------------------------------------------------------------------------------|
| Model                | Flash20                                                                               |
| Throughput           | 4                                                                                     |
| Detection Time       | 30 mins                                                                               |
| Sample Type          | Oropharyngeal Swab / Nasopharyngeal Swab                                              |
| Reagents             | Ready to Use Lyophilized Cartridges / Frozen kits                                     |
| Sample Preparation   | 1 min Preparation (Nucleic Acid Extraction Free)                                      |
| Fluorescence Channel | FAM / SYBR Green (470 nm), HEX / VIC (525 nm), ROX / TEXAS RED (580 nm), CY5 (635 nm) |
| Detection Mode       | Independent controlling module and Real-time detection                                |
| Dimensions           | 300 × 300 × 200 mm                                                                    |
| Weight               | 4.7 kg                                                                                |

# Mini8 Plus



## Technical Specifications

CE IVD

|                        |                                          |
|------------------------|------------------------------------------|
| Model                  | Mini8 Plus                               |
| Throughput             | 8                                        |
| Detection Time         | 90 mins                                  |
| Sample Type            | Oropharyngeal swab / Nasopharyngeal swab |
| Fluorescence Channel   | SYBR / FAM, ROX / TEXAS RED              |
| Temperature Uniformity | ≤ 1 °C                                   |
| Sample Preparation     | FlashDetect™ Extraction-Free System      |
| Dimensions             | 205 × 190 × 98 mm                        |
| Weight                 | 2.1 kg                                   |

# Flash48



## Technical Specifications

CE IVD

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Model                  | Flash48                                         |
| Throughput             | 48                                              |
| Detection Time         | 48 mins                                         |
| Touch Screen           | Yes                                             |
| Sample Type            | Oropharyngeal swab / Nasopharyngeal swab        |
| Fluorescence Channel   | 4 Fluorescence channels (FAM / VIC / ROX / Cy5) |
| Temperature Uniformity | $\pm 0.2\text{ }^{\circ}\text{C}$               |
| Temperature Accuracy   | $\leq 0.1\text{ }^{\circ}\text{C}$              |
| Dimensions             | 260 × 400 × 260 mm                              |
| Weight                 | 11 kg                                           |

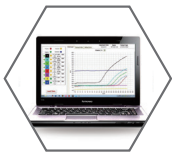
# Portable Molecular Diagnostic Lab



MD-F



MD-LAB



PC Laptop



Pipette



Dry Bath



Mini Centrifuge



Metal Rack

## Technical Specifications

CE IVD

| Model                | MD-F                                                                                  | MD-LAB                                                                    |
|----------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Instruments Equipped | Flash20                                                                               | Mini8 Plus                                                                |
| Dimensions           | 680 x 525 x 325 mm                                                                    | 680 x 525 x 325 mm                                                        |
| Weight               | 20 kg                                                                                 | 20 kg                                                                     |
| MD-Lab Includes      | Flash20 x1, PC Laptop x1, Pipettes x2, Dry Bath x1, Mini Centrifuge x1, Metal Rack x2 | Mini8 Plus x1, PC Laptop x1, Pipettes x4, Dry Bath x1, Mini Centrifuge x1 |



# Flash Matrix



## Technical Specifications

|                              |                                                                                          |                  |
|------------------------------|------------------------------------------------------------------------------------------|------------------|
| Product Name                 | Flash Matrix                                                                             |                  |
| Model                        | M - 16                                                                                   | M - 32           |
| Instruments Equipped         | 4 in 1                                                                                   | 8 in 1           |
| Test Throughput              | 16-32 (Max. 64)                                                                          |                  |
| Instruments Model            | Customization is available                                                               |                  |
| Fluorescence Channel         | FAM / SYBR Green (470 nm) , HEX / VIC (525 nm) , ROX / TEXAS RED (580 nm) , CY5 (635 nm) |                  |
| Temperature Control Mode     | Independent Temperature Control                                                          |                  |
| Data Communication Interface | USB                                                                                      |                  |
| Power Requirements           | 220 V                                                                                    |                  |
| Dimensions                   | 74 × 60 × 116 cm                                                                         | 74 × 60 × 147 cm |
| Weight                       | 30 kg                                                                                    | 60 kg            |

※Truck and trailer shown for illustrative purposes



# FlashDetect™ Mobile Lab - Flagship

Ambulatory COVID-19 Testing Laboratory

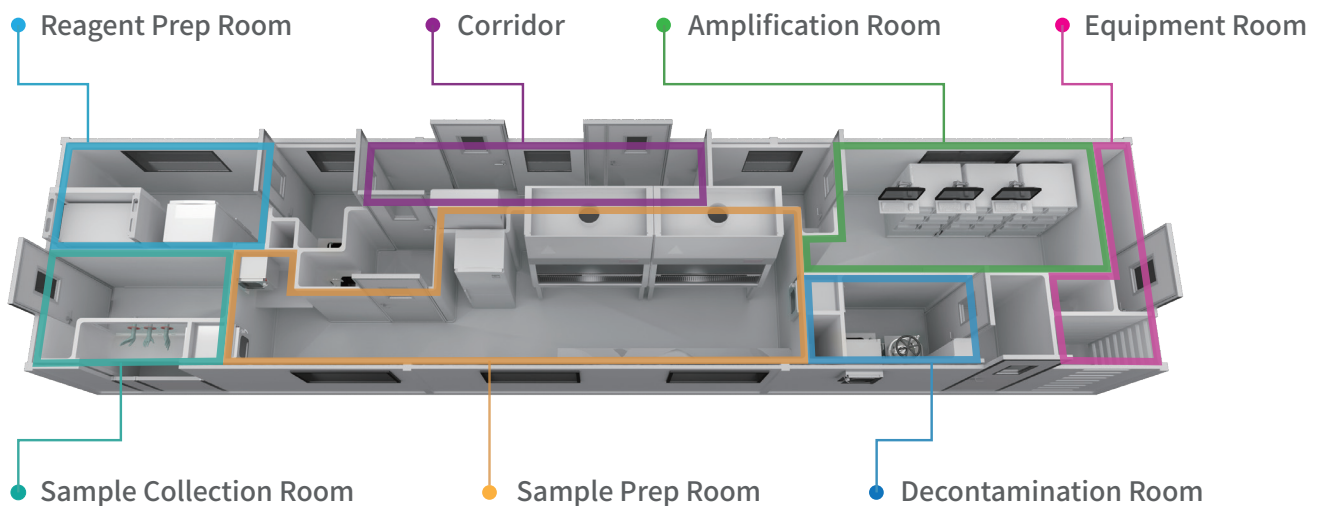
Biosafety Level    BSL-2

Dimensions    13.7 × 2.98 × 2.98 m (L x W x H)

Test Capacity    2,000 - 13,000 tests/day

Test Instrument    Flash10 / Flash Robo / Flash20 / Flash48 / Flash Matrix (Customization is available)

## Layout





## Test Menu

CE IVD

-15°C  
-25°C

| Reagent Name                                                                                               | LoD           | Sensitivity | Gene Targets        | Pack Size    | Cat. #        | Compatible Instruments |            |         |             |               |
|------------------------------------------------------------------------------------------------------------|---------------|-------------|---------------------|--------------|---------------|------------------------|------------|---------|-------------|---------------|
|                                                                                                            |               |             |                     |              |               | Coyote®                |            |         | Other Brand |               |
|                                                                                                            |               |             |                     |              |               | Flash20                | Mini8 Plus | Flash48 | ABI 7500    | Bio-Rad CFX96 |
| DirectDetect™ SARS-CoV-2 Detection Kit (PCR-Fluorescence Probe)                                            | 400 copies/mL | ≥ 95%       | ORF1ab, N, RNase P  | 24 tests/kit | 6018002202-EN | ●                      |            |         |             |               |
|                                                                                                            |               |             |                     | 48 tests/kit | 6018002206-EN |                        |            |         |             |               |
|                                                                                                            |               |             |                     | 96 tests/kit | 6018002208-EN |                        |            |         |             |               |
| DirectDetect™ SARS-CoV-2 Detection Kit (PCR-Fluorescence Probe)                                            | 400 copies/mL | ≥ 95%       | ORF1ab, N, RNase P  | 24 tests/kit | 6018000902-CE |                        | ●          |         | ●           | ●             |
|                                                                                                            |               |             |                     | 48 tests/kit | 6018000906-CE |                        |            |         |             |               |
|                                                                                                            |               |             |                     | 96 tests/kit | 6018000908-CE |                        |            |         |             |               |
| DirectDetect™ SARS-CoV-2 Detection Kit (PCR-Fluorescence Probe)                                            | 400 copies/mL | ≥ 95%       | ORF1ab, N, RNase P  | 24 tests/kit | 6018001902-EN |                        |            | ●       | ●           | ●             |
|                                                                                                            |               |             |                     | 48 tests/kit | 6018001906-EN |                        |            |         |             |               |
|                                                                                                            |               |             |                     | 96 tests/kit | 6018001908-EN |                        |            |         |             |               |
| FlashDetect™ Respiratory Syncytial Virus and Mycoplasma Pneumoniae Detection Kit (PCR- Fluorescence Probe) | 500 copies/mL | ≥ 95%       | MP, RSV, RNase P    | 24 tests/kit | 6018003801-CE | ●                      |            |         |             |               |
| FlashDetect™ Influenza A Virus and Influenza B Virus Detection Kit (PCR- Fluorescence Probe)               | 500 copies/mL | ≥ 95%       | FluA, FluB, RNase P | 24 tests/kit | 6018003701-CE | ●                      |            |         |             |               |
| FlashDetect™ Respiratory Syncytial Virus and Mycoplasma Pneumoniae Detection Kit (PCR- Fluorescence Probe) | 500 copies/mL | /           | MP, RSV             | 24 tests/kit | 6018006101-CE |                        | ●          |         | ●           | ●             |
| FlashDetect™ Influenza A Virus and Influenza B Virus Detection Kit (PCR- Fluorescence Probe)               | 500 copies/mL | /           | FluA, FluB          | 24 tests/kit | 6018006001-CE |                        | ●          |         | ●           | ●             |



## Test Menu

Under Development

28°C  
2°C

Ready to use lyophilized reagent can be stored at room temperature

| Assay Name                                           | Compatible Instruments |         |            |
|------------------------------------------------------|------------------------|---------|------------|
|                                                      | Flash10                | Flash20 | Flash Robo |
| FlashDetect™ LyocartD SARS-CoV-2 assay               |                        | ●       |            |
| FlashDetect™ LyocartD SARS-CoV-2 & FluA & FluB assay |                        |         |            |

# Test Menu - Veterinary

Applicable to FlashDetect™ Mini8 Plus System



## Feline Respiratory Disease

| Cat. #        | Product                                         | Pack Size   |
|---------------|-------------------------------------------------|-------------|
| 6001003319-EN | FlashDetect™ Feline Herpesvirus Detection Kit   | 8 tests/kit |
| 6001003419-EN | FlashDetect™ Feline Calicivirus Detection Kit   | 8 tests/kit |
| 6001005219-EN | FlashDetect™ Chlamydomphila Felis Detection Kit | 8 tests/kit |
| 6001009619-EN | FlashDetect™ Mycoplasma Felis Detection Kit     | 8 tests/kit |
| 6001019819-EN | FlashDetect™ Bordetella Detection Kit           | 8 tests/kit |

## Zoonotic Infection

| Cat. #        | Product                                      | Pack Size   |
|---------------|----------------------------------------------|-------------|
| 6001003619-EN | FlashDetect™ Toxoplasma gondii Detection Kit | 8 tests/kit |
| 6001003719-EN | FlashDetect™ Leptospira Detection Kit        | 8 tests/kit |
| 6001004619-EN | FlashDetect™ Canine Babesiosis Detection Kit | 8 tests/kit |
| 6001004719-EN | FlashDetect™ Feline Bartonella Detection Kit | 8 tests/kit |
| 6001004919-EN | FlashDetect™ Rabies Virus Detection Kit      | 8 tests/kit |
| 6001020319-EN | FlashDetect™ Babesia Gibsoni Detection Kit   | 8 tests/kit |
| 6001008019-EN | FlashDetect™ Brucella Detection Kit          | 8 tests/kit |

## Digestive Disease

| Cat. #        | Product                                               | Pack Size   |
|---------------|-------------------------------------------------------|-------------|
| 6001003219-EN | FlashDetect™ Feline Panleukopenia Virus Detection Kit | 8 tests/kit |
| 6001004819-EN | FlashDetect™ Feline Coronavirus Detection Kit         | 8 tests/kit |
| 6001003119-EN | FlashDetect™ Canine Coronavirus Detection Kit         | 8 tests/kit |
| 6001004019-EN | FlashDetect™ Canine Parvovirus Detection Kit          | 8 tests/kit |
| 6001004419-EN | FlashDetect™ Canine Adenovirus Type I Detection Kit   | 8 tests/kit |

## Canine Respiratory Disease

| Cat. #        | Product                                               | Pack Size   |
|---------------|-------------------------------------------------------|-------------|
| 6001003919-EN | FlashDetect™ Canine Distemper virus                   | 8 tests/kit |
| 6001004519-EN | FlashDetect™ Canine Adenovirus Type II Detection Kit  | 8 tests/kit |
| 6001005019-EN | FlashDetect™ Canine Influenza Virus Detection Kit     | 8 tests/kit |
| 6001005119-EN | FlashDetect™ Canine Parainfluenza Virus Detection Kit | 8 tests/kit |
| 6001005319-EN | FlashDetect™ Mycoplasma Canis Detection Kit           | 8 tests/kit |

## Blood Disease

| Cat. #        | Product                                                        | Pack Size   |
|---------------|----------------------------------------------------------------|-------------|
| 6001003519-EN | FlashDetect™ Feline Infectious Peritonitis Virus Detection Kit | 8 tests/kit |
| 6001015719-EN | FlashDetect™ Mycoplasma Haemofelis Detection Kit               | 8 tests/kit |
| 6001015819-EN | FlashDetect™ Feline Leukemia Virus Detection Kit               | 8 tests/kit |



Molecular Diagnostics For Everyone

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