



## croBEE™ NA16 Nucleic Acid Extraction System Plus



The croBEE NA16 Nucleic Acid Extraction System Plus (croBEE NA16 Plus) is a compact, fully automated system for nucleic acid extraction across a wide range of biological materials. This includes the ability to support both DNA and RNA extraction. The croBEE NA16 Plus can simultaneously extract DNA and RNA from up to 16 samples. Disposable cartridges contain all necessary reagents for ease of use.

### Features and Benefits

- Leverages standardization for highly reproducible yields of nucleic acids
- Utilizes automation to minimize errors caused by manual manipulation
- Minimizes cross-contamination effect through improved design
- Allows for LIS connectivity and includes a barcode scanner to simplify workflows
- Supports a wide variety of specimens including whole blood, plasma, serum, swab, saliva, sputum, aspirate, BAL, CSF, urine, sperm and tick

| Specifications                  |  |
|---------------------------------|--|
| Extraction Principle            | Fully Automated Magnetic Separation                                  |
| Reagent Application Method      | Disposable Reagent Cartridge   |
| Sample Volume                   | 200 µl / 400 µl  |
| Elution Volume                  | 60 µl / 100 µl / 150 µl / 200 µL                                     |
| Capacity                        | 1–16 Samples/Extraction Process                                      |
| Processing Time*                | 30-90 Minutes  |
| Nucleic Acid Purity*            | DNA: OD A260/280 ratio 1.8 ± 0.1<br>RNA: OD A260/280 ratio 2.0 ± 0.2 |
| Heating Block Temperature Range | RT – 90 °C   |
| Computer                        | Integrated PC  |
| User Interface and Control      | 7-inch Color Touch Screen  |
| Decontamination                 | Built-in UV Lamp   |
| Dimensions (external)           | 523x602x605 mm (WxDxH)   |
| Weight                          | 70 kg  |
| Power Supply                    | 100–240 V, 50/60 Hz, 1 kW  |
| Device Type                     | Stand-alone Device   |
| Regulatory Status               | IVDR CE IVD for <i>in vitro</i> Diagnostic Use                       |

\*The parameter depends on the extraction process used.



# Extraction Cartridges Compatible with the System Optimized for Efficiency

## Common Features & Benefits

- Pre-filled and sealed to prevent contamination
- All-in-one package
  - 1 box for 96 samples; all necessary cartridges and consumables
- Selectable sample and elution volume
  - Sample input volume: 400µl & 200µl
  - Elution volume: 60µl; 100µl; 150µl, 200µl



## croBEE<sup>®</sup> 201A Nucleic Acid Extraction Kit

### Universal and Convenient

- Ideal for the needs of Microbiological labs
- One universal cartridge for simultaneous DNA/RNA extraction
- Validated with all GeneProof PCR Kits
- Wide range of validated biological materials
  - 12 validated specimens (whole blood, plasma, serum, swab, BAL, aspirate, sputum, urine, saliva, CSF, sperm, tick)



## croBEE<sup>®</sup> 101A Whole Blood DNA Extraction Kit

### Engineered for Whole Blood

- Tailored to the needs of Genetic labs
- High-yield genomic DNA extraction ensuring optimal performance for the detection of genetic markers
- Designed specifically for whole blood to effectively overcome the challenges associated with this sample type
- No sample pretreatment needed

#### Technical specifications

| SAMPLE INPUT/ELUTION VOLUME | CONCENTRATION µg/ml | PURITY A260/280 RATIO | PURITY A260/230 RATIO |
|-----------------------------|---------------------|-----------------------|-----------------------|
| 400 / 60 µl                 | 148                 | 1.9                   | 1.8                   |
| 200 / 60 µl                 | 80                  | 1.8                   | 1.6                   |



CE  All GeneProof Kits are available as CE IVD Certified.

Trust GeneProof for targeted molecular diagnostic solutions.

Questions? Contact [sales@geneproof.com](mailto:sales@geneproof.com)