

3 Type Specifications Overview

magLEAD I2gC



Instrument type	Benchtop
Number of samples	1-12
Dispensing Liquid Volume	25-1000 μ L
Temperature control	Heater unit-equipped
Dimensions	H570 \times W500 \times D530 mm
Weight	Approx. 50 kg
Application	Total nucleic acid extraction from 200 or 400 μ L of whole blood, serum, plasma, urine, or swab
Functions	Internal UV lamp, external bar code reader

magLEAD 6gC



Instrument type	Benchtop
Number of samples	1-6
Dispensing Liquid Volume	25-1000 μ L
Temperature control	Heater unit-equipped
Dimensions	H600 \times W300 \times D550 mm
Weight	Approx. 30 kg
Application	Total nucleic acid extraction from 200 or 400 μ L of whole blood, serum, plasma, urine, or swab
Functions	Internal UV lamp, external bar code reader

magLEAD 5bL Under development



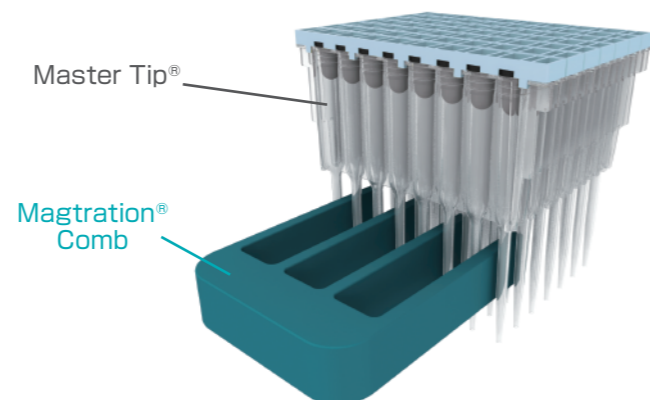
Instrument type	Benchtop
Number of samples	1-5
Dispensing Liquid Volume	BT-20: 1-20 mL
Temperature control	Heater: Room temp. to 95 \pm 3 $^{\circ}$ C
Dimensions	H660 \times W450 \times D670 mm
Weight	Approx. 40 kg
Application	DNA extraction from 5 mL of whole blood
Functions	Internal UV lamp, external bar code reader

NEW Concept

High-throughput System with Magtration[®]

NEW

Magtration[®] 26,32,48,96



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○ The performance, specifications and appearance of products described in this catalogue are subject to change without prior notice.
○ The information in this catalogue is current as of June, 2016.

PSS-Leaf_magLEAD-E-2016.06.Rev002

Magtration[®] world

Extraction
Purification
Separation
Enrichment

magLEAD 5bL
magLEAD I2gC
magLEAD 6gC

New nucleic acid extraction chemistry

MagDEA Dx

Produced by  Precision System Science Co., Ltd.

- Universal designed Chemistry & Protocol
- Contamination-controlled design
- CE IVD marking Design and development

Fully Automated Sample-prep to Answer

geneLEAD system

MagDEA Dx and Magtration Technology

MagDEA Dx is a nucleic acid extraction reagent developed exclusively by PSS using magnetic particles. When used with fully automated PSS instrumentation, it enables rapid extraction and purification of high quality nucleic acid with excellent reproducibility. The instrument and reagent were also each designed in accordance with the European IVD Directive(98/79/EC) for

※ "Magtration" is an abbreviation of magnetic filtration. It is a process in which magnetic particles are arranged inside the tip to achieve high-level capture and resuspension of particles.

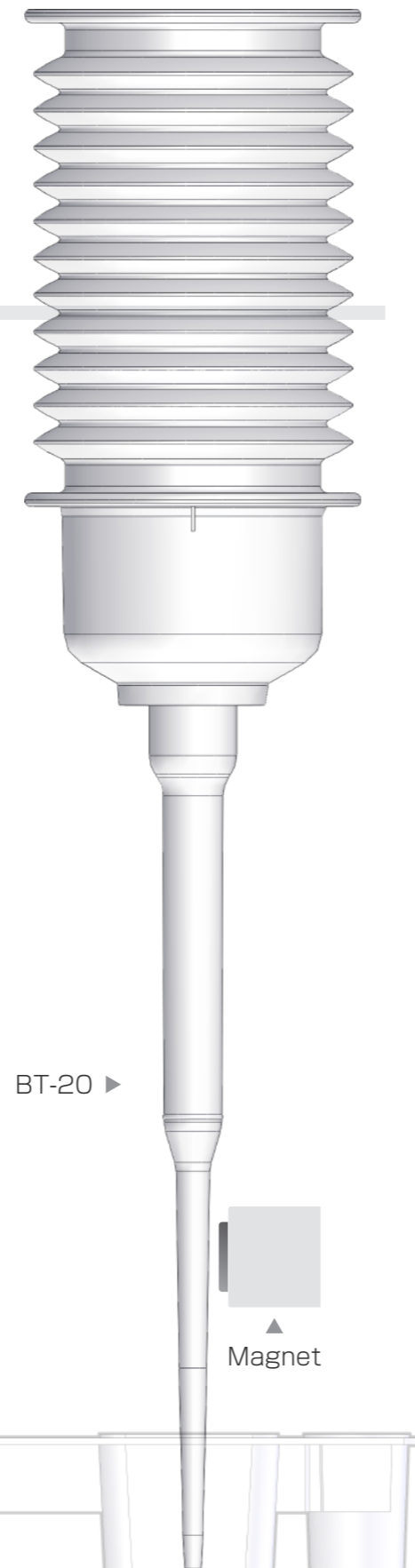
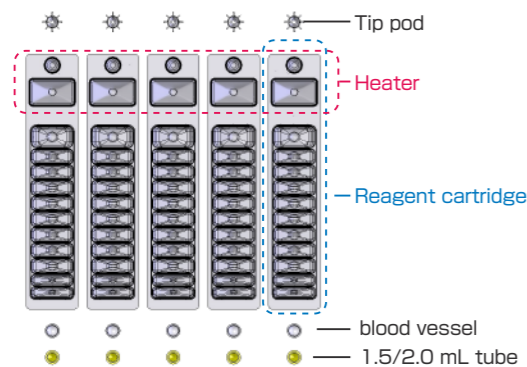
safe operation, high quality, and user convenience. PSS fully automated nucleic acid extraction instruments are equipped with internationally patented Magtration* Technology, making for a compact and simple system.

magLEAD 5bL for large and middle volume

BT-5 : Handling volume 250-5,000 μL

BT-20 : Handling volume 1,000-20,000 μL

The bellows tip, which is closed and has no nozzle connection point, mitigates infection risk for users, providing a safer work environment. The high-capacity dispensing tip allows large amounts that were previously impossible to dispense. When combined with pre-filled MagDEA Dx reagent for high-volume nucleic acid extraction, nucleic acid can be extracted from 5 mL of whole blood.



magLEAD 6gC I2gC for small volume

DN-100tip : Handling volume 25-1,000 μL

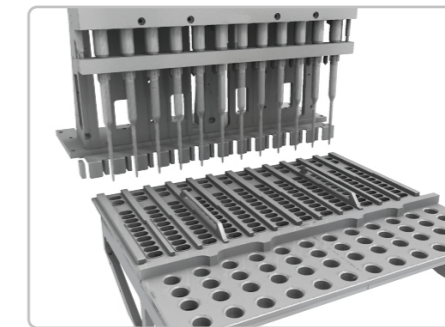
Nucleic acid extraction is possible by simply inserting the protocol IC card and setting the reagent and consumables.

total nucleic acid with excellent reproducibility for whole blood, serum, plasma, urine, and swab (200 or 400 μL).

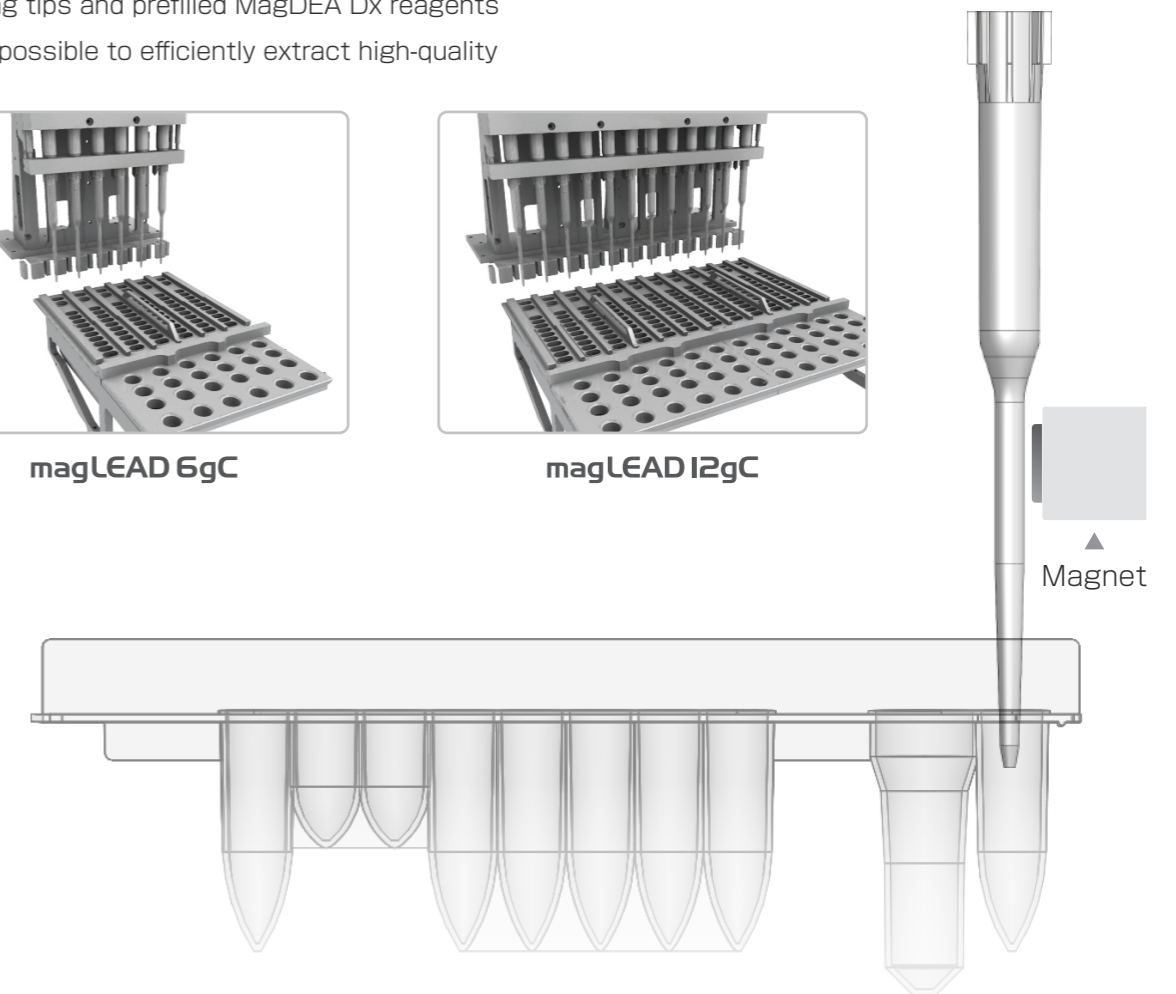
The combination of Magtration Technology-optimized dispensing tips and pre-filled MagDEA Dx reagents makes it possible to efficiently extract high-quality



magLEAD 6gC



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Fields of application

- Whole blood
- Serum, plasma
- Urine
- Swab

Genomic DNA

DNA/RNA

- Nucleic acid test (PCR, Real-time PCR, etc.)
- Genome banking
- Basic research, and more...