

Reagents

Product Name	Product Code	Qty	Overview
MagDEA Dx SV	E1300	48 tests	For total nucleic acid extraction from a 200 µL or 400 µL sample
MagDEA Dx MV II	E1323	48 tests	For total nucleic acid extraction from a 1,000 µL sample
MagDEA Dx SV RNA	E1330	48 tests	For total RNA extraction from a 200 µL sample

* For extraction reagents supported by geneLEAD VIII, please contact us for protocol details.

Consumables

Product Name	Product Code	Qty	Overview
magLEAD Consumable Kit	F4430	50 tests	Tips and tubes used in extraction on magLEAD 12gC
2.0mL Cryopreservation Tube W/Cap	F4450	200 tests	Additional tubes used with the MagDEA Dx MV II and miRNA on magLEAD 12gC
geneLEAD VIII Consumable Set	F8900	48 tests	Tips and tubes used in extraction on geneLEAD VIII
geneLEAD VIII PCR Reaction Cassette Set	F8840	192 tests	Real-time PCR reaction tubes for use on geneLEAD VIII
geneLEAD VIII PCR Reagent Cassette Set	F8820	192 tests	Real-time PCR reagent cassettes for use on geneLEAD VIII

Protocol IC cards for magLEAD 12gC (Each instrument comes with one IC card of your choice.)

Product Name	Product Code	Qty	Overview
MagDEA Dx SV 200	I7712	1 pc	IC card for total nucleic acid extraction from 200µL sample
MagDEA Dx SV 400	I7812	1 pc	IC card for total nucleic acid extraction from 400µL sample
MagDEA Dx SV PS	I8112	1 pc	IC card for total nucleic acid extraction from 200µL of Pretreated FFPE Sample
MagDEA Dx MV II	I8212	1 pc	IC card for viral nucleic acid extraction from 1,000µL sample
MagDEA Dx MV II cfDNA	I8312	1 pc	IC card for cell free DNA extraction from 1,000µL sample
MagDEA Dx SV miRNA	I8712	1 pc	IC card for miRNA extraction from 200µL of sample
MagDEA Dx SV RNA	I7912	1 pc	IC card for total RNA extraction from 200µL sample

* Since the production of magLEAD 6gC has been discontinued in 2022, we still continue to offer the above related products. Please contact us for further information.

Instruments

Product Name	Product Code	Qty	Overview
magLEAD 12gC	A1120	1 unit	Fully automated nucleic acid extraction instrument capable of simultaneously processing up to 12 samples
geneLEAD VIII	A2700	1 unit	Sample-to-Answer Molecular diagnostic system-capable of simultaneously processing up to 8 samples

Additional Reagents and Accessories

Product name	Product code	Qty	Overview
DNase I (Lyophilized)	E1331	48 tests	For MagDEA Dx SV RNA only (DNase Tube Adapter Kit is required)
DNase Tube Adapter Kit	G6431	12 pcs	For MagDEA Dx SV RNA kit only (1 Cap Remover contained)
Prep Buffer A	E1400	1 bottle	Inactivation buffer for MagDEA Dx SV
Prep Buffer B	E1401	1 bottle	Pretreatment buffer for FFPE tissue
Proteinase K	E1402	1 bottle	Pretreatment enzyme for FFPE tissue
Prep Buffer C	E1403	1 bottle	Buffer for extraction of total nucleic acid including miRNA using MagDEA Dx SV

The performance, specifications and appearance of products described in this catalogue are subject to change without prior notice.



Nucleic Acid Extraction Reagent MagDEA Dx

1. Overview

MagDEA Dx series are nucleic acid extraction reagents developed by PSS specifically for automated systems. All reagents and magnetic particles necessary for extraction are prepackaged for use with the magLEAD series and geneLEAD series equipped with PSS's proprietary Magtration® Technology, a magnetic particle separation method.

magLEAD series

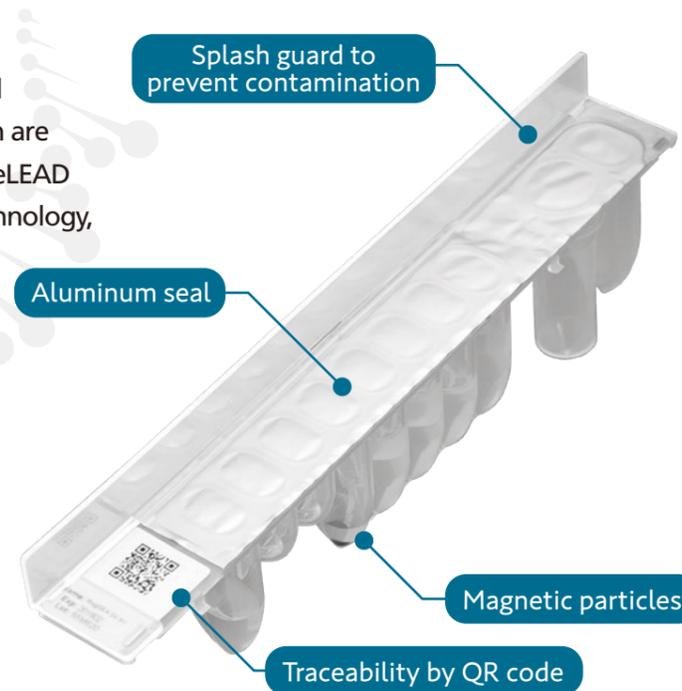
geneLEAD series



magLEAD 12gC



geneLEAD VIII



2. Special features

• Common reagent

Common reagent can be used with magLEAD series and geneLEAD series.

• Easy to set up

- 1 Place MagDEA Dx on the rack.
*No need to manually dispense reagents



• Can be stored at room temperature

No refrigeration or other temperature control is required.

- 2 Set the rack on the instrument to complete the setting.
*No need to remove the aluminum seal



3. Application

Total Nucleic Acid

Reagent name	Protocol	Principle	Targets	Samples	Extraction time	Sample volume(μL)	Elution volume(μL)	Contents
MagDEA Dx SV	MagDEA Dx SV 200	Easy extraction of total nucleic acids	Genomic DNA, nucleic acids from pathogenic microorganisms, etc.	Whole blood, serum, plasma, urine, swab, cerebrospinal fluid, saliva, stool, sputum, etc.	Approx. 26 minutes	200	50 100 200	
	MagDEA Dx SV 400	Easy extraction of total nucleic acids	Genomic DNA, nucleic acids from pathogenic microorganisms, etc.	Whole blood, serum, plasma, urine, swab, cerebrospinal fluid, saliva, stool, sputum, etc.	Approx. 30~40 minutes	400	50 100 200	Extraction time varies depending on the sample type.
	MagDEA Dx SV PS	Extract higher quality nucleic acids for pathology samples	Genomic DNA	FFPE	Approx. 60 minutes	200	50 100 200	Prep Buffer B and Proteinase K are required.
	MagDEA Dx SV miRNA	Extraction of trace amounts of microRNA	microRNA	Serum, plasma, urine, cell culture supernatant, isolated exosomes	Approx. 30 minutes	200	50 100 200	2.0mL Cryopreservation Tube W/Cap and Prep Buffer C are required.
MagDEA Dx MV II	MagDEA Dx MV II	Extraction of trace amounts of viral nucleic acids	viral nucleic acid	Serum, plasma, swab, urine, saliva	Approx. 55 minutes	1,000	50 100 200	2.0mL Cryopreservation Tube W/Cap is required. Pretreatment is required depending on the sample type. (please refer to the Technical Note for details)
	MagDEA Dx MV II cfDNA	Extraction of trace amounts of cell free DNA	cell free DNA	Serum, plasma, urine, saliva				

Total RNA

Reagent name	Protocol	Principle	Targets	Samples	Extraction time	Sample volume(μL)	Elution volume(μL)	Contents
MagDEA Dx SV RNA	MagDEA Dx SV RNA	Total RNA can be extracted with little work by using lyophilized DNase.	Total RNA	Cultured cells, isolated leukocytes, FFPE	Approx. 65 minutes	200	50 100 200	DNase I and Tube Adapter are required. Prep Buffer B and Proteinase K are required only for FFPE pretreatment.