

# Great **S**cience Starts **H**ere

강력하고 효율적인  
고성능 샘플 파쇄 시스템



# Bead Mill Homogenizer

## Bead Ruptor Elite

- 다양하고 견고한 steel carriages : 0.5ml ~ 50mL tubes
- 독창적인 3D shaking 방식
- 터치스크린 인터페이스와 99개의 프로토콜 저장
- 안전한 이중 잠금 장치
- 편리한 전면 샘플 장착 방식과 온도 센서 내장으로 실험과정 모니터링이 쉬움
- 최대 8m/s의 속도로 튜브 모션 최적화
- Run Time : 1s - 9m 59s
- Processing Range : 25µL - 50mL



### User Interface

Saved Programs ▶  
 Tube Size ▶  
 Speed ▶  
 Time / Length ▶

◀ 5 Languages  
 ◀ Temperature  
 ◀ Number of Cycles  
 ◀ Dwell / Pause

### Bead Ruptor Cryo Cooling Unit

- RNA, protein 같은 열에 민감한 샘플의 안전한 파쇄를 위한 현명한 옵션
- 균질화 과정 중 샘플 온도가 상승하지 않도록 차가운 공기를 chamber로 전달 (액체질소 혹은 드라이아이스 이용)

\*\* 1.5mL, 2mL and 7mL tube carriages only



### Elite Accessories



24×1.5mL Microtube Carriage  
Force Limit : Max. 8m/s



24×2mL Tubes Carriage  
Force Limit : Max. 8m/s



12×7mL Tube Carriage  
Force Limit : Max. 6m/s



12×15mL Tube Carriage with  
15mL Finger Plate  
Force Limit : Max. 5m/s



6×30mL Tube Carriage  
Force Limit : Max. 5m/s



3×50mL Tube Carriage  
Force Limit : Max. 5m/s

## 샘플 타입에 맞는 비드 선택 가이드

Bead type	Glass	Ceramic	Garnet	Metal	Ceramic
Bead size	0.1 / 0.5mm	0.1 / 0.5mm	0.15 / 0.7mm	2.4mm	1.4 / 2.8 / 6.5mm
Sample type	- Gram Negative - Eukaryotic Cell - Fungal Cell	- Gram Positive - Virus	- Soil - Clay - Sediment - Waste Water - Feces	- Hard Tissue - Dry Grinding - Roots / Seed - Skin - Muscle - Bone - Hair	- Tissue - Plant - Environmental - Forensic
Appearance					

## Bead Ruptor 12

- **Tube Capability** : 12×2mL (1.5mL, 0.5 mL with screw cap), 4×7mL
- **Speed** : 0.8 - 6ms
- **Run Time** : 1sec - 9.59min
- **Processing Range** : 25µL - 7mL
- 다양한 사이즈의 샘플을 동시에 처리



## Bead Ruptor 4

- **Tube Capability** : 4×0.5mL, 4×1.5mL, 4×2mL or 1×7mL
- **Speed** : 1 - 5ms
- **Run Time** : 1sec - 5min
- **Processing Range** : 25µL - 7mL
- 합리적인 크기 및 가격



## Bead Ruptor 96

- **Tube Capability** : 0.5mL, 1.5mL, 2mL, 7mL, 15mL, 30mL, 50mL
- **Speed** : 3 - 30Hz
- **Run Time** : 5sec - 99min
- **Processing Range** : 25µL - 50mL
- 다양한 샘플 처리 모드 및 대용량 샘플 파쇄



## Rotor-Stator Homogenizers

### TH Tissue Homogenizer

- **Power** : 125W
- **Speed** : 5,000 to 35,000rpm
- **Processing Range** : 0.2mL - 100mL
- 5, 7 & 10mm stainless steel probes and disposable plastic probes



### Mixer Series (Mixer, Macro, Macro-ES) Homogenizer

- **Power** : 600W (mixer) - 1,800W (macro)
- **Speed** : 500 to 18,000rpm (mixer), 500 to 20,000rpm (macro)
- **Processing Range** : 0.25mL to 10L (mixer), 0.25mL to 30L (macro)
- **Generator Probes** : 10, 20, 30 (mixer), 45 and 55mm (+macro)
- **Sealed chamber assembly 별도 판매**  
- 뚜껑에 probe가 통합되어 대용량 파쇄 시에도 넘침이 없음



# Ultrasonic Homogenizer



	Sonic Ruptor 400	Sonic Ruptor 4000	Processing Tip
파워	400 watts	400 watts	OR-T-156 (250μL - 10mL)
시료용량	250μL ~ 1L	250μL ~ 1L	OR-T-375 (10mL - 250mL)
타이머	0 to 15minutes	0 to 15minutes	OR-T-500 (10mL - 300mL)
Warranty	1 year	1 year	OR-T-750 (25mL - 500mL)
특징	소음 저감 챔버, 스탠드 별도	소음 저감 챔버 통합	OR-T-1000 (50mL - 1000mL)



# Nucleic Acid Extraction Kits



Cat. No.	Product	Prep	Sample size	Target	Pre-filled Beads
26-007	Tissue DNA Purification Kit	50	~ 30mg	Genomic DNA	
26-007B	Tissue DNA Purification Kit	50	~ 30mg	Genomic DNA	2.8mm ceramic
26-008	Bacterial DNA Purification Kit	50	~3 × 10 <sup>9</sup> cells	Genomic DNA	
26-008B	Bacterial DNA Purification Kit	50	~3 × 10 <sup>9</sup> cells	Genomic DNA	0.1mm ceramic
26-009	Yeast DNA Purification Kit	50	~ 3mL	Genomic DNA	
26-009B	Yeast DNA Purification Kit	50	~ 3mL	Genomic DNA	0.1mm glass
26-013B	Soil DNA Purification Midi Kit	50	~ 1g	Genomic DNA	
26-013G	Soil DNA Purification Mini Kit	50	~ 250mg	Genomic DNA	0.7mm garnet
26-014B	Fecal DNA Purification Mini Kit	50	~ 250mg	Genomic DNA	0.5mm glass
26-023	Plant DNA Purification Kit	50	100mg, fresh 30mg, dried	Genomic DNA	
26-023B	Plant DNA Purification Kit	50	100mg, fresh 30mg, dried	Genomic DNA	2.8mm ceramic
26-010	Tissue RNA Purification Kit	50	~30mg	RNA	
26-010B	Tissue RNA Purification Kit	50	~30mg	RNA	2.8mm ceramic
26-011	Bacteria RNA Purification Kit	50	~ 3mL	RNA	
26-011B	Bacteria RNA Purification Kit	50	~ 3mL	RNA	0.1mm ceramic
26-012	Yeast RNA Purification Kit	50	~ 3mL	RNA	
26-012B	Yeast RNA Purification Kit	50	~ 3mL	RNA	0.1mm ceramic

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