

Clarity OTX

Rapid Isolation of Oligo Therapeutics from Biological Samples

Clarity® OTX™ 핵심 특징

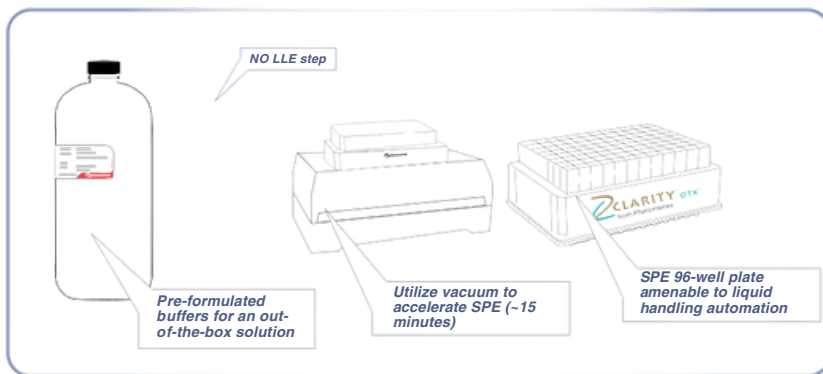
- >80% 회수율 확보 (일반적인 조건에서)
- 높은 범용성 – 대부분의 치료용 올리고, 조직 및 체액에 적용 가능
- LC-MS 기반 바이오분석 최적화
- LLE 단계 제거 → 에멀전 형성·시료 손실 최소화, 자동화 가능한 전처리
- 자동화가 가능해 고처리량 연구에 최적화 – 빠른 속도와 재현성 보장

생체 시료에서 oligonucleotide를 단 15분 만에 추출 !!

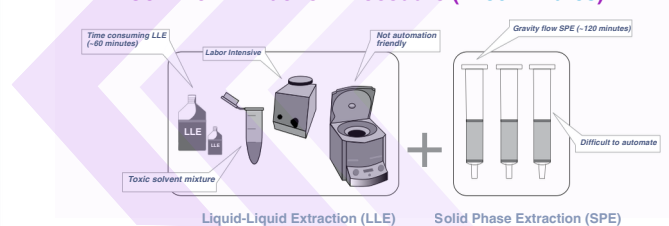


Clarity® OTX™ 분리 방법 비교

Clarity OTX Extraction Procedure (~15 minutes)



Common Extraction Procedure (~180 minutes)



Clarity OTX



스타터 키트

50개의 샘플 추출에 필요한 모든 재료 포함

규모 확장 또는 소량 샘플 연구 전에 개념 증명검증을 위해 설계



개별 구성 요소

Suitable for large sample studies & amenable to automation

Formulations for equilibration, wash, & elution buffers provided for liquid handling protocols

100 mg / 96-well plate & 1 L pre-formulated loading-lysis buffer available



Clarity OTX

Rapid Isolation of Oligo Therapeutics from Biological Samples

Rapid Oligo Cleanup

Streamline
Your Oligonucleotide Workflows



PURIFICATION

Separation Goal	Clarity BioSolutions Recommendation	User Benefits
High-throughput, trityl-on reversed phase cartridge (RPC) purification	Clarity QSP™ 	>90 % purities and recoveries ~20 minutes
RP-HPLC purification of failure sequences from target sequences	Clarity Oligo-XT Clarity Oligo-RP™ 	High recovery reduces number of purification steps
Quick removal of salt and excess reagent	Clarity RP-Desalting™ 	70 % typical purity - Economical format

CHARACTERIZATION / ANALYSIS

Rapid, high efficiency RP-LC-MS analysis for QC and characterization	Clarity Oligo-XT 	< 12 minute separation - For HPLC and UHPLC systems
Extraction of oligo therapeutics from biological samples for LC-MS bioanalysis	Clarity OTX™ 	- No Liquid-Liquid Extraction (LLE) required - For tissues and biological fluids

Clarity OTX™ Products

Part No.	Description	Unit
KS0-8494	Clarity OTX Starter Kit -Tubes Includes: 100 mg / 3 mL cartridges (x50) Lysis-Loading buffer (100 mL) Equilibration buffer (250 mL) Wash buffer (350 mL) Elution buffer (100 mL)	ea
KS0-9253	Clarity OTX Starter Kit -96-Well Plate 100 mg/ 96-well plate (x1) Lysis-Loading buffer (100 mL) Equilibration buffer (250 mL) Wash buffer (350 mL) Elution buffer (100 mL)	ea
8E-S103-EGA	Clarity OTX	100 mg/well 96-well plate
8E-S103-CGA	Clarity OTX	25 mg/well 96-well plate
8M-S103-4GA	Clarity OTX	2 mg/well Microelution 96-well plate
8B-S103-EBJ	Clarity OTX	100 mg / 3 mL
8B-S103-HCH	Clarity OTX	500 mg / 6 mL
AL0-8579	Clarity OTX Lysis-Loading buffer, v2.0	1 L

Note - The Clarity OTX Starter Kit is recommended for validating proof of concept or for extracting small volumes of samples (< 100 µL)

Note - The individual Clarity OTX 96-well plates & Lysis-Loading buffer are recommended for large sample volumes (> 100 µL) and for amenability to liquid handling robots.

Ordering Information

Vacuum Manifolds, Collection Plates, and Sealing Mats

Part No.	Description	Unit
AH0-8950	96-Well Plate Manifold	Acrylic
VM24 AH0-	24-Position Vacuum Manifold	Complete Set
7194 AH0-	96 Square Well Collection Plate	2 mL/ Well(Polypropylene)
8637 AH0-	Solvent Waste Reservoir Tray	For Well Plate Manifold
7195	96-Well Pierceable Sealing Mat	Square Well

Presston™ 1000 Positive Pressure Manifold

Part No.	Description
AH1-7033	Presston1000 Positive Pressure Manifold, 96-Well Plate



Phenomenex warrants the Presston 1000 Positive Pressure Manifold against defects in materials and workmanship under normal installation, use, and maintenance for a period of 12 months following delivery.
Please visit www.phenomenex.com/presstonwarranty for complete warranty information.



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