

# 엑소좀

처음부터 끝까지

## ▶ Sample preparation

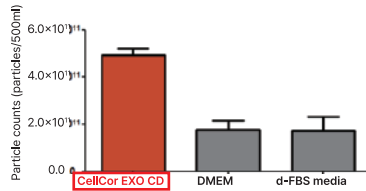


CellCor™ EXO CD  
Cat#: YSP017  
Size : 500mL  
Cell type : Human MSCs

### 엑소좀 분리 전용 media

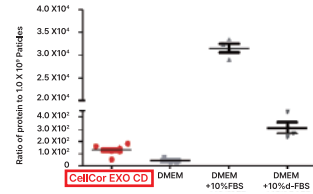
- 국내 최초 chemical defined media
- 안정적인 대량 수급 가능
- High purity, High yield

#### 엑소좀 생산량 비교



FBS media 대비 더 좋은 엑소좀 생산량

#### 엑소좀 purity 확인



CD media에서 분리한 엑소좀의 purity가 더 높음  
(Protein / exosome ratio)

## ▶ Isolation



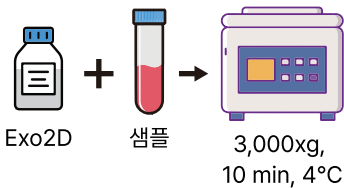
Exo2D™ series

### 신속, 고순도, 고수득률 exosome isolation kit

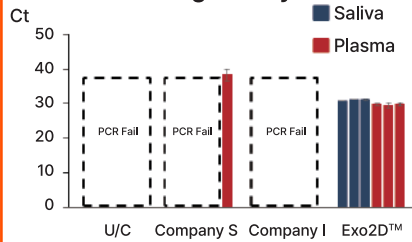
#### ⇨ 수용액이상계를 이용한 분리

- PEG phase + Dextran phase
- 입자의 표면 특성을 이용해 dextran 층에만 엑소좀 분리
- PEG와 엑소좀이 aggregation 되는 현상이 없음

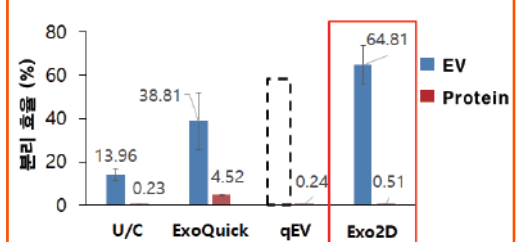
#### 간단한 프로토콜



#### High Purity



#### 높은 분리효율



### Order information

Use for	Sample type	Kit Size	Cat No.
RNA	Urine, culture media	10 ml	EP-RU10
		20 ml	EP-RU20
		50 ml	EP-RU50
Protein	Urine, culture media	5 ml	EP-RP5
		10 ml	EP-RP10
		25 ml	EP-PU25
Protein	Plasma, serum	50 ml	EP-PU50
		125 ml	EP-PU125
		12.5 ml	EP-PP12.5
RNA kit	washing buffer	25 ml	EP-PP25
Protein kit	washing buffer	60 ml	EP-WR60
		60 ml	EP-WP60

\*Downstream : RNA - PCR, Protein - Western blot

#### ※ Isolation을 마친 exosome을 원하신다면

- Human MSC 유래 엑소좀
- Human biofluids 유래 엑소좀 (plasma, serum, urine)
- Cell culture media 유래 엑소좀 (U87 MG, HT29, A549, HEK293 등)

# ▶ Analysis

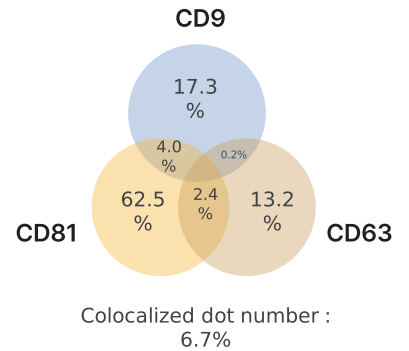
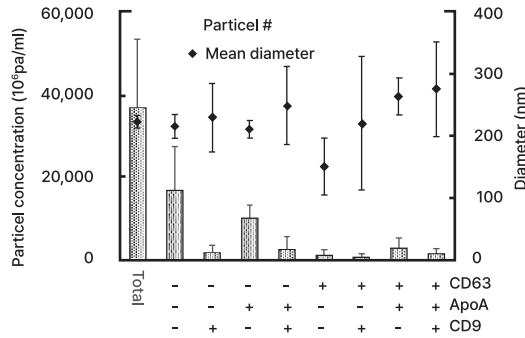
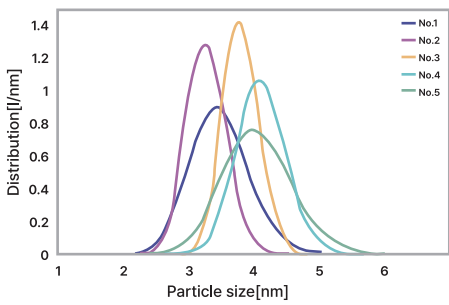


ExoCope™ Quad

## 동시에 4 channel 이미징 가능한 NTA

- 여러 타겟 발현 엑소좀 동시 분석
- 개별 입자 수, 크기, 밝기 분포
- 4 channel 조합별 그룹 data

Multi-dimensional particle properties (Size + 4-color intensity information)

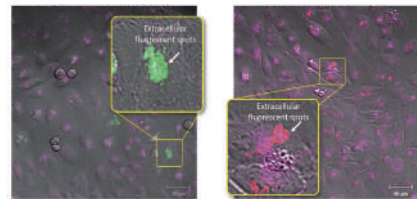


\* 산란광만 측정가능한 ExoCope™ Mono도 있어요

## Aggregation 없는 exosome labeling kit

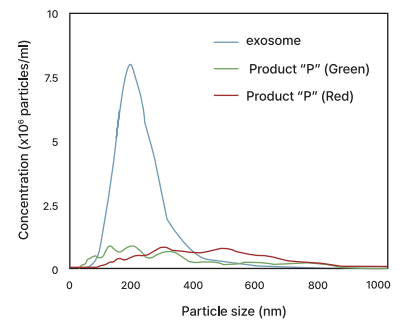
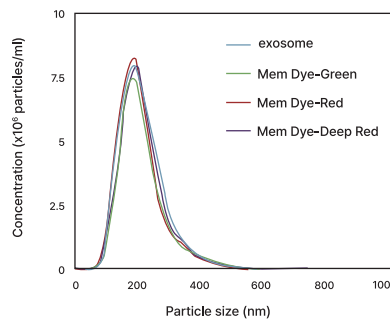
### ExoSparkler series

- No aggregation
- No exosome particle size change
- Lower effect to zeta potential
- Filtration tube 제공



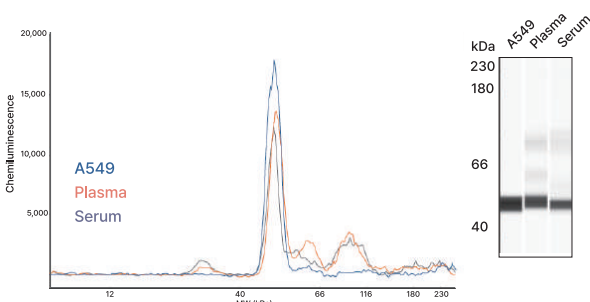
타제품과 비교하였을 때 aggregation이 없음

Type	Color	Cat#
Membrane	Green	EX01-10
	Red	EX02-10
	Deep red	EX03-10
Protein	Green	EX04-10
	Red	EX05-10
	Deep red	EX06-10



염색 후 exosome size 변화 없음

## Western blot 분석서비스



A549, Plasma, Serum에서 엑소좀 마커 (Flotillin-1) 발현 확인

- Automated Western Blots
- High sensitivity
- 3시간안에 분석 완료
- 최소 sample vol : 3uL
- 24 samples x 4가지 Abs

