

ExoBank+™

Stem cell, biofluids, plant exosome

ExoBank+™ provides exosomes for your research

Stem cell exosome

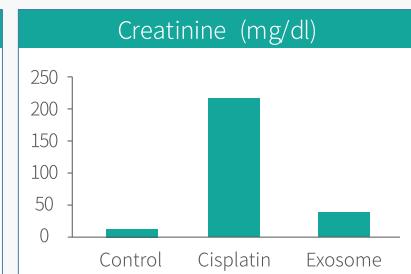
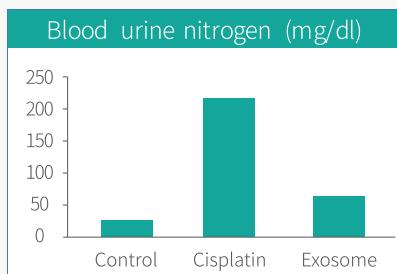
· 10⁹개 이상 주문 가능

ExoBank+T

no.	코드	품명	단위
1	SC-APFN-AA01	MSC derived EV I (High purity)	1x10 ⁹ 개
2	SC-APFN-AA02	MSC derived EV II (Low purity)	1x10 ⁹ 개

All manufacturing and banking process is controled under a quasi-GMP state

Our MSC EV shows reliable regenerative effects



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Human Biofluids exosome

· 200만원 이상 주문 가능

ExoBank+D (Normal Human plasma exosome)

no.	코드	품명	단위
1	NP-APFN-AA01	Pooled Human Plasma exosome (Blood Derived)	x10 ⁹ particles/vial
2	NP-APFN-AB01	Single Donor Human Plasma exosome (Blood Derived)	x10 ⁹ particles/vial

ExoBank+D (Normal Human Biofluids exosome)

no.	코드	품명	단위
1	NB-APFN-AA01	Pooled Donor Human Pleural Fluid exosome	x10 ⁹ particles/vial
2	NB-APFN-AB01	Pooled Human Cerebrospinal Fluid exosome (CSF)	x10 ⁹ particles/vial
3	NB-APFN-AC01	Pooled Human Nasal Fluid exosome	x10 ⁹ particles/vial
4	NB-APFN-AD01	Pooled Human Saliva exosome	x10 ⁹ particles/vial
5	NB-APFN-AE01	Pooled Human Sweat exosome	x10 ⁹ particles/vial
6	NB-APFN-AF01	Pooled Human Tears exosome	x10 ⁹ particles/vial
7	NB-APFN-AG01	Pooled Human Urine exosome	x10 ⁹ particles/vial

ExoBank+D (Human Disease-state Biofluids exosome)

no.	코드	품명	단위
1	DB-APFN-AA01	Single Donor Human Alzheimer's Plasma exosome	x10 ⁹ particles/vial
2	DB-APFN-AB01	Single Donor Human Asthma Plasma exosome	x10 ⁹ particles/vial
3	DB-APFN-AC01	Single Donor Human Atopic Dermatitis Plasma exosome	x10 ⁹ particles/vial
4	DB-APFN-AD01	Single Donor Human Benign Breast Conditions Plasma exosome	x10 ⁹ particles/vial
5	DB-APFN-AE01	Single Donor Human Benign Organ Tumor Plasma exosome	x10 ⁹ particles/vial
6	DB-APFN-AF01	Single Donor Human Benign Prostatic Hyperplasia Plasma exosome	x10 ⁹ particles/vial
7	DB-APFN-AG01	Single Donor Human Chronic Obstructive Pulmonary Disease Plasma exosome	x10 ⁹ particles/vial
8	DB-APFN-AH01	Single Donor Human Crohn's Disease Plasma exosome	x10 ⁹ particles/vial
9	DB-APFN-AI01	Single Donor Human Cystitis Plasma exosome	x10 ⁹ particles/vial
10	DB-APFN-AJ01	Single Donor Human Diabetes Plasma exosome	x10 ⁹ particles/vial
11	DB-APFN-AK01	Single Donor Human Obesity Plasma exosome	x10 ⁹ particles/vial
12	DB-APFN-AL01	Single Donor Human Pulmonary Fibrosis Plasma exosome	x10 ⁹ particles/vial
13	DB-APFN-AM01	Single Donor Human Rheumatoid Arthritis Plasma exosome	x10 ⁹ particles/vial

ExoBank+D (Human cancer-state Biofluids exosome)

no.	코드	품명	단위
1	CB-APFN-AA01	Single Donor Human Bladder Cancer Plasma exosome	x10 ⁹ particles/vial
2	CB-APFN-AB01	Single Donor Human Breast Cancer Plasma exosome	x10 ⁹ particles/vial
3	CB-APFN-AC01	Single Donor Human Colon Cancer Plasma exosome	x10 ⁹ particles/vial
4	CB-APFN-AD01	Single Donor Human Head and Neck Cancer Plasma exosome	x10 ⁹ particles/vial
5	CB-APFN-AE01	Single Donor Human Kidney Cancer Plasma exosome	x10 ⁹ particles/vial
6	CB-APFN-AF01	Single Donor Human Lung Cancer Plasma exosome	x10 ⁹ particles/vial
7	CB-APFN-AG01	Single Donor Human Ovarian Cancer Plasma exosome	x10 ⁹ particles/vial
8	CB-APFN-AH01	Single Donor Human Prostate Cancer Plasma exosome	x10 ⁹ particles/vial
9	CB-APFN-AI01	Single Donor Human Thyroid Cancer Plasma exosome	x10 ⁹ particles/vial
10	CB-APFN-AJ01	Single Donor Uterine Cancer Plasma exosome	x10 ⁹ particles/vial

Animal Biofluids exosome

· 200만원 이상 주문 가능

ExoBank+D (Animal plasma exosome)

no.	코드	품명	단위
1	AP-APFN-AA01	Bovine Plasma exosome	$\times 10^9$ particles/vial
2	AP-APFN-AB01	Canine Beagle Plasma exosome	$\times 10^9$ particles/vial
3	AP-APFN-AC01	Donkey Plasma exosome	$\times 10^9$ particles/vial
4	AP-APFN-AD01	Goat Plasma exosome	$\times 10^9$ particles/vial
5	AP-APFN-AE01	Guinea Pig Plasma exosome	$\times 10^9$ particles/vial
6	AP-APFN-AF01	Hamster Armenian Plasma exosome	$\times 10^9$ particles/vial
7	AP-APFN-AG01	Mouse Balb/C Plasma exosome	$\times 10^9$ particles/vial
8	AP-APFN-AH01	Mouse C57BL/6 Plasma exosome	$\times 10^9$ particles/vial
9	AP-APFN-AI01	Mouse CD1 Plasma exosome	$\times 10^9$ particles/vial
10	AP-APFN-AJ01	Rabbit Plasma exosome	$\times 10^9$ particles/vial
11	AP-APFN-AK01	Rat Plasma exosome	$\times 10^9$ particles/vial

Plant exosome

ExoBank+CFH

no.	코드	품명	단위
1	PL-APFN-AA01	ExoBank+CFH(aloe)	$\times 10^{12}$ particles/vial
2	PL-APFN-AB01	ExoBank+CFH(apple)	$\times 10^{12}$ particles/vial
3	PL-APFN-AC01	ExoBank+CFH(beer)	$\times 10^{12}$ particles/vial
4	PL-APFN-AD01	ExoBank+CFH(blueberry)	$\times 10^{12}$ particles/vial
5	PL-APFN-AE01	ExoBank+CFH(broccoli)	$\times 10^{12}$ particles/vial
6	PL-APFN-AF01	ExoBank+CFH(cactus)	$\times 10^{12}$ particles/vial
7	PL-APFN-AG01	ExoBank+CFH(carrot)	$\times 10^{12}$ particles/vial
8	PL-APFN-AH01	ExoBank+CFH(cheese)	$\times 10^{12}$ particles/vial
9	PL-APFN-AI01	ExoBank+CFH(Cornus officinalis)	$\times 10^{12}$ particles/vial
10	PL-APFN-AJ01	ExoBank+CFH(cucumber)	$\times 10^{12}$ particles/vial
11	PL-APFN-AK01	ExoBank+CFH(Doenjang)	$\times 10^{12}$ particles/vial
12	PL-APFN-AL01	ExoBank+CFH(ginseng)	$\times 10^{12}$ particles/vial
13	PL-APFN-AM01	ExoBank+CFH(grape)	$\times 10^{12}$ particles/vial
14	PL-APFN-AN01	ExoBank+CFH(huttuynia cordata)	$\times 10^{12}$ particles/vial
15	PL-APFN-AO01	ExoBank+CFH(Kimchi)	$\times 10^{12}$ particles/vial
16	PL-APFN-AP01	ExoBank+CFH(kiwi)	$\times 10^{12}$ particles/vial
17	PL-APFN-AQ01	ExoBank+CFH(lemon)	$\times 10^{12}$ particles/vial
18	PL-APFN-AR01	ExoBank+CFH(lime)	$\times 10^{12}$ particles/vial
19	PL-APFN-AS01	ExoBank+CFH(mango)	$\times 10^{12}$ particles/vial
20	PL-APFN-AT01	ExoBank+CFH(melon)	$\times 10^{12}$ particles/vial
21	PL-APFN-AU01	ExoBank+CFH(onion)	$\times 10^{12}$ particles/vial
22	PL-APFN-AV01	ExoBank+CFH(orange)	$\times 10^{12}$ particles/vial
23	PL-APFN-AW01	ExoBank+CFH(potato)	$\times 10^{12}$ particles/vial
24	PL-APFN-AX01	ExoBank+CFH(pumpkin)	$\times 10^{12}$ particles/vial
25	PL-APFN-AL02	ExoBank+CFH(red ginseng)	$\times 10^{12}$ particles/vial
26	PL-APFN-AY01	ExoBank+CFH(tomato)	$\times 10^{12}$ particles/vial
27	PL-APFN-AZ01	ExoBank+CFH(watermelon)	$\times 10^{12}$ particles/vial

Exo2D™ Exosome isolation kit

Exo2D™ provides stable RNA/DNA and protein analysis

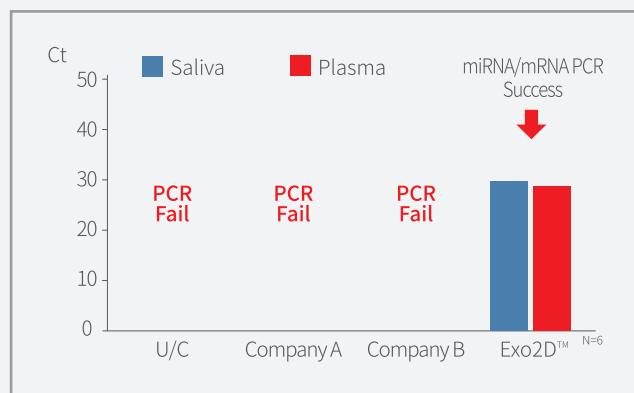


- ✓ High Yield
- ✓ 많은 샘플 처리 가능
- ✓ 특별한 장비 필요 없음
- ✓ Vesicle Morphology 유지
- ✓ 높은 순도_Low Protein contamination
- ✓ 간단 프로토콜- 단 1시간 30분 내 실험 끝

- 샘플 pre-Clearing
- Exo2D reagent 준비
- 샘플 + Reagent Mixing



Applications	
1	Western blot
2	PCR
3	NGS
4	Proteomics
5	Exosome research
6	In vitro/vivo efficacy test



Exosome isolation kits

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

*Downstream : RNA - PCR, Protein - Western blot

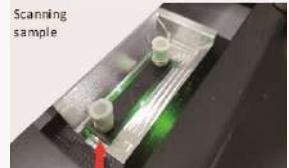


ExoCoPe™

Exosome Analysis Device

ExoCoPe™ provides optimized Nanoparticle Tracking Analysis for exosome

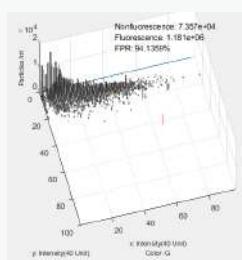
ExoCOPE™



동시에 4-channel 까지 가능한 1st NTA

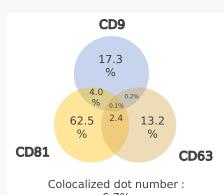
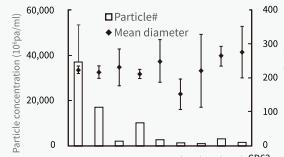
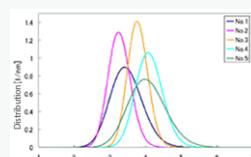


4-color recording &
Simultaneous multicolor particle tracking
analysis



Color code tagging

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



4-dimensional individual particle color data

- 엑소좀 연구에 반드시 필요한 NTA
- NTA 따로, 형광을 위한 Flow Cytometry 따로, NO !!
- 동시에 두가지 타겟 발현 엑소좀 구분
- 개별 입자의 색별 밝기 구분 가능
- 사이즈 구분 가능

	ExoCOPE™ Quad	ExoCOPE™ Mono
Laser	405, 488, 525 and 638 nm	525 nm
Output data table	Size, amount, scattered light brightness, 3-fluorescence brightness	Size, amount, scattered light brightness
Sub-volume scan	Motorized (50 position)	Motorized (50 position)
Optical filter	Excitation light cut-off filter	Optional
Image sensor	sCMOS	CCTV grade CMOS
Frame rate	20 - 30 fps	24 - 40 fps
Dimension	200 x 340 x 170 (mm)	
Target size range	20 - 500 nm for high refractive index particle (polystyrene, metal) 50 - 1000 nm for low refractive index particle (exosome, EV)	
Minimum sample volume	0.4 ml (typical), 0.2ml (extreme)	
Interface	USB 3.1 Gen 1	
OS	Windows 10 (64bit)	
Power	100 - 240V (45-63Hz)	



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