



We provide  
the **best** exosome isolation kits  
on the world market!

Nov. 2013  
California, USA



Because you get **exciting data** by our kits  
to isolate **Pure** exosome at **Higher** yield.

- start with 2 mL cell media or 0.2 mL serum
- exosome purity > 95%
- exosome yield 10 folds > traditional methods
- also work for plasma, urine, breast milk...
- lowest price



## 3 vendors on the market

- 101Bio
  - Offers the best kits for your precious samples
- Company S.
- Company L.

“ Company S exosome kits are becoming notorious in reputation, rather than helpful... ” — Exosome researcher since 1999 from UK

# Exosome isolated by 3 vendors' kits

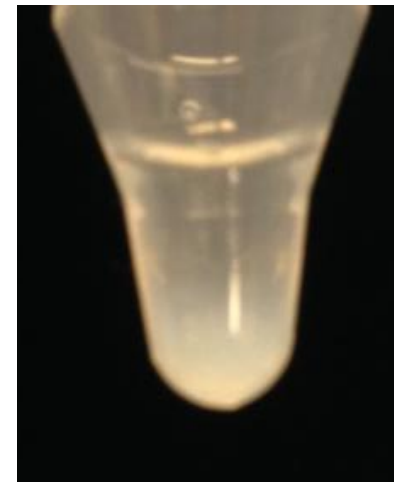
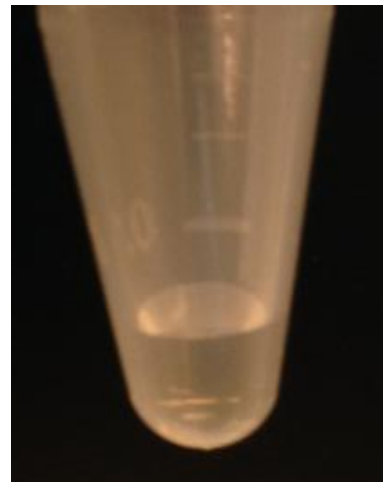
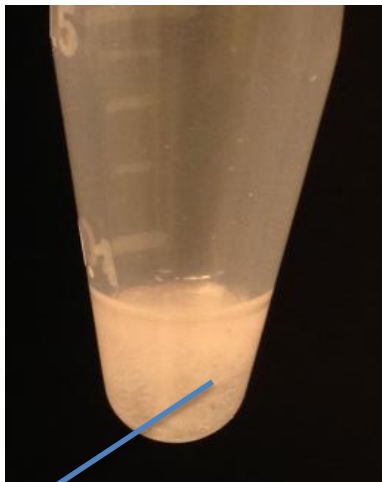
(from the same 2 mL medium)

10 folds **higher yield**  
than Company S. and L.

101Bio

Company S.

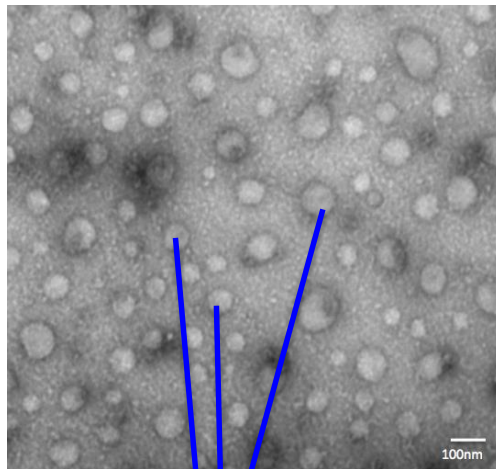
Company L.



White pellet is concentrated exosome

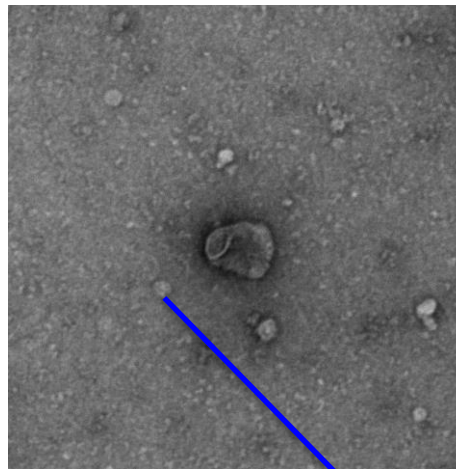
# Exosome morphology comparison (Transmission electron microscopy analysis)

Homogeneous spherical morphology  
**only** from our kit

**101Bio**

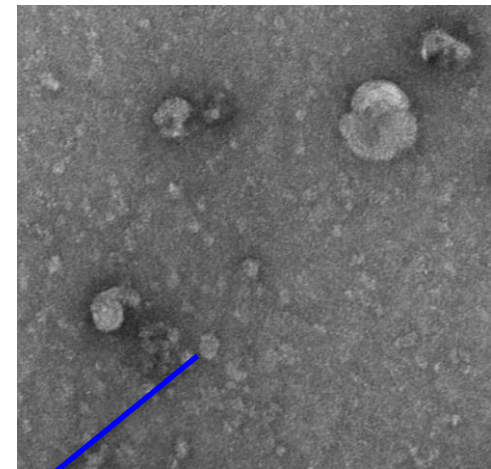
Exosomes

- **Homogeneous**
- **Spherical**
- **Intact exosome**

**Company S.**

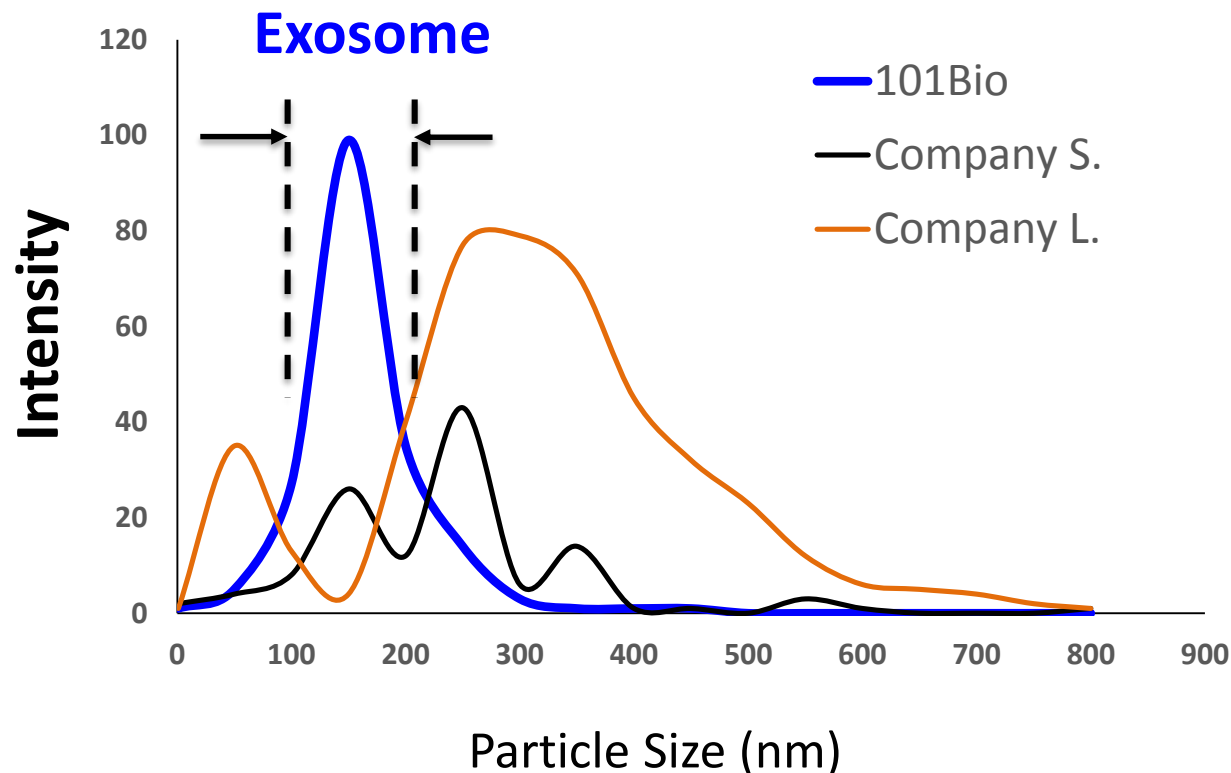
Exosomes

- Multiple sizes
- Irregular Shape
- Damaged exosome or debris

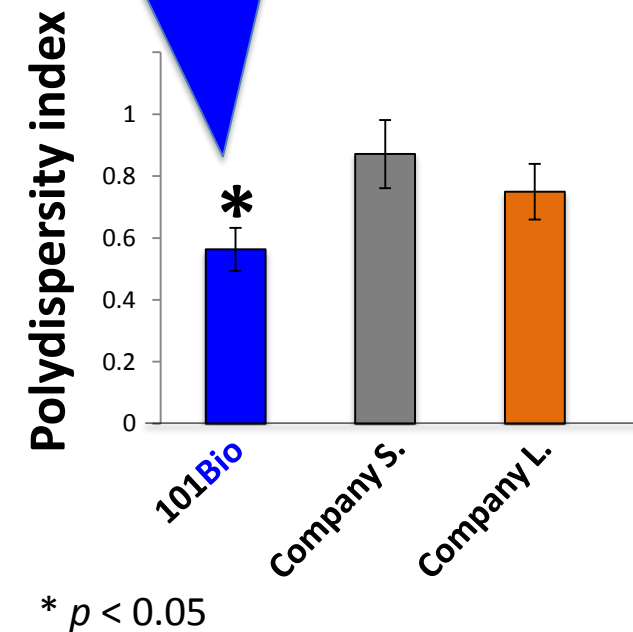
**Company L.**

VS.

Dynamic light scattering (DLS) of isolated exosome population shows **our kits isolates Purer** exosome than Company L & S.

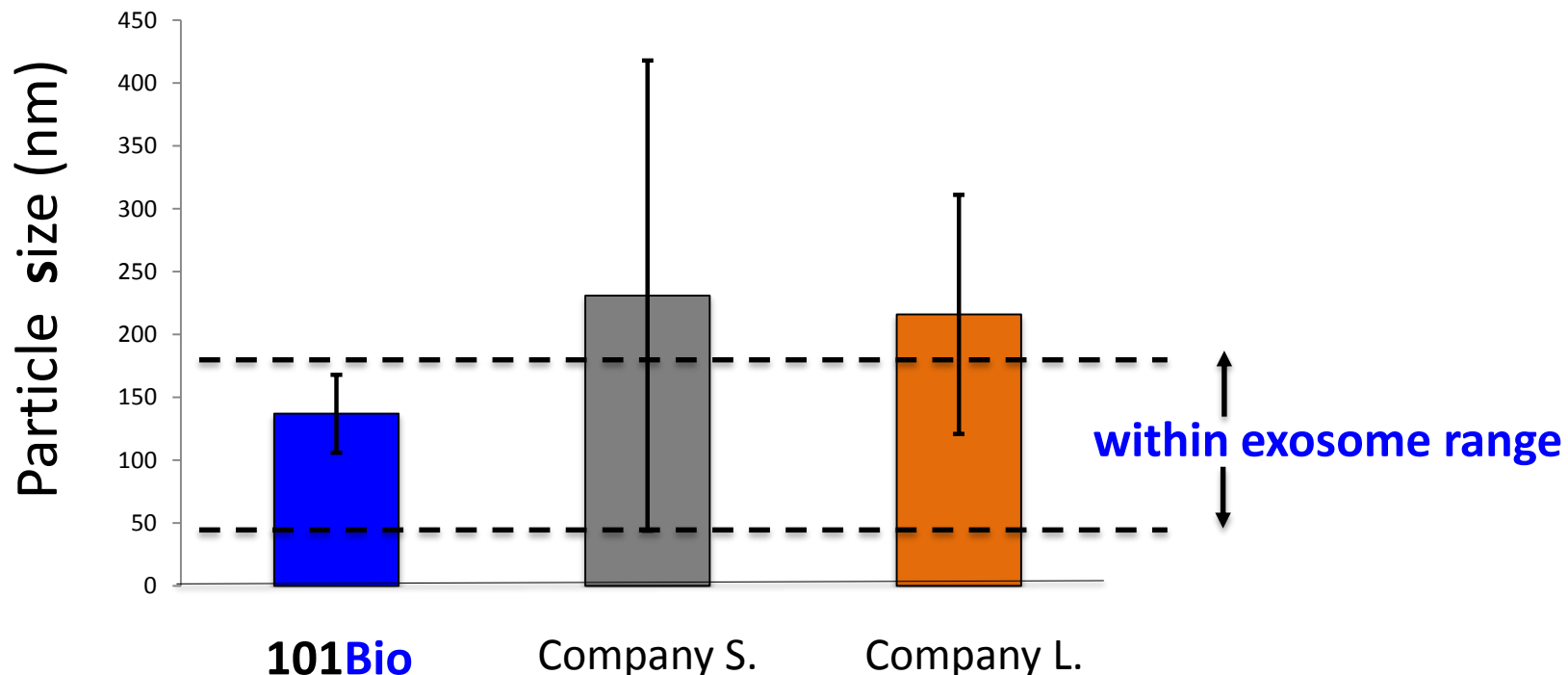


Pure population **only** from our kit



Majority of the particles isolated **by our kits** are exosomes

	95% particle size range
<b>101Bio</b>	<b><math>137 \pm 31</math> nm</b>
Company S.	$216 \pm 187$ nm
Company L.	$216 \pm 95$ nm



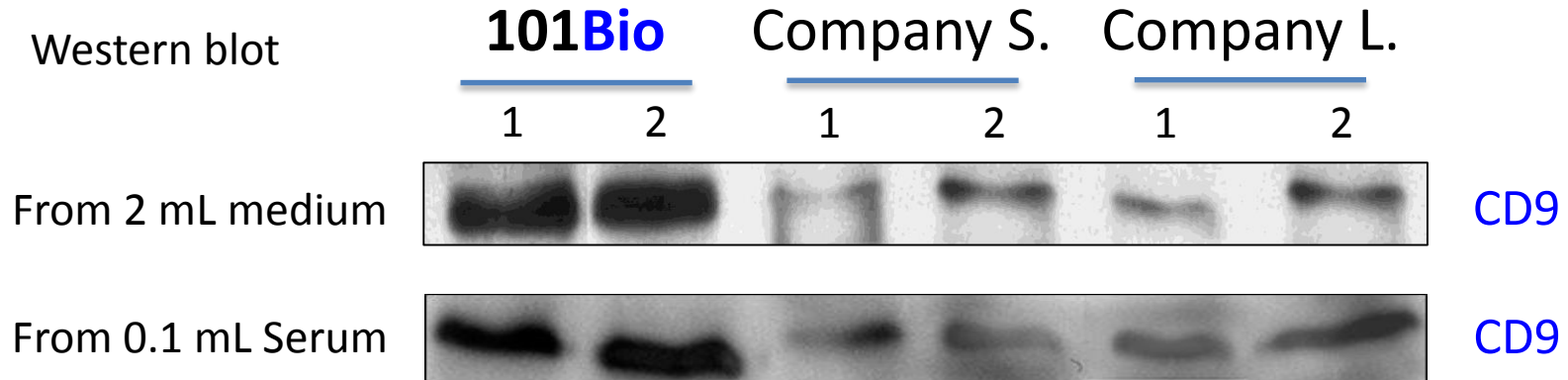
Use our kits, Exosome purity > 95%

	Polydispersity index	Exosome purity (20 ~ 200 nm)
101Bio	0.563 *	96.3%
Company S.	0.871	37.7%
Company L.	0.749	26.1%

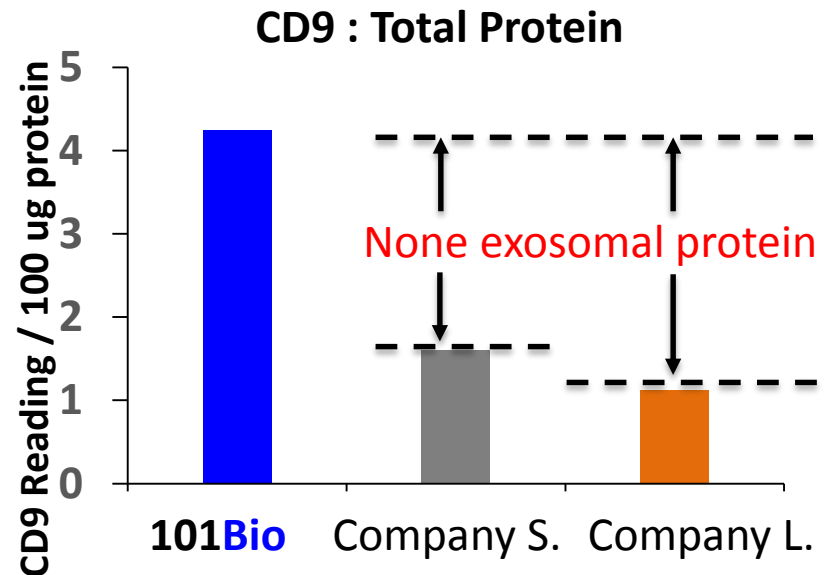
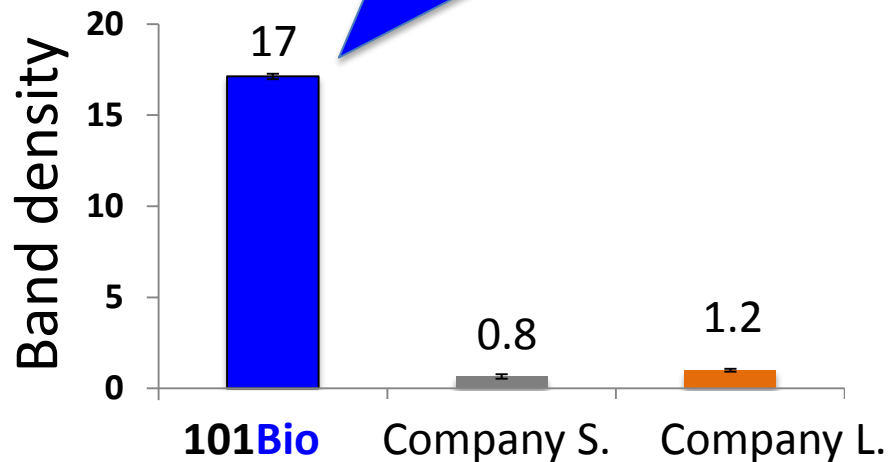
\*  $p < 0.05$



# Exosome verified by CD9 marker

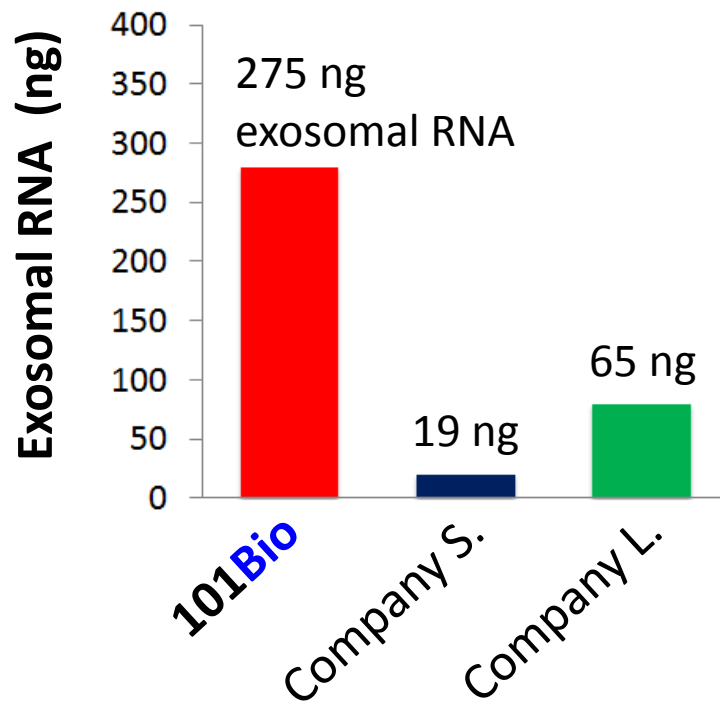


**10 folds higher  
exosomal protein yield**

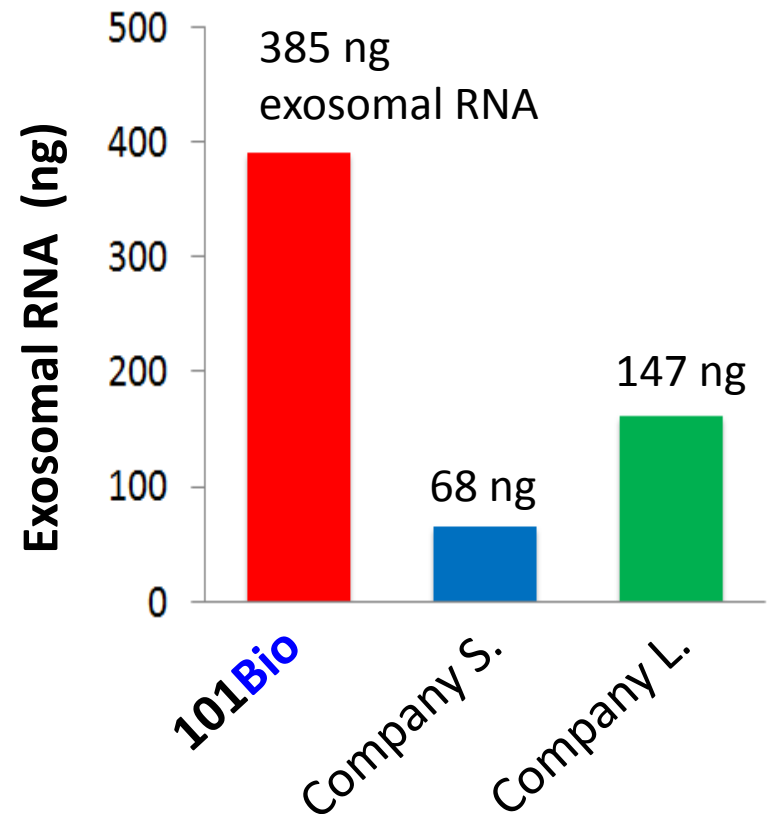


## 101Bio exosomal RNA yield 10 X higher

From 2 mL cell culture medium



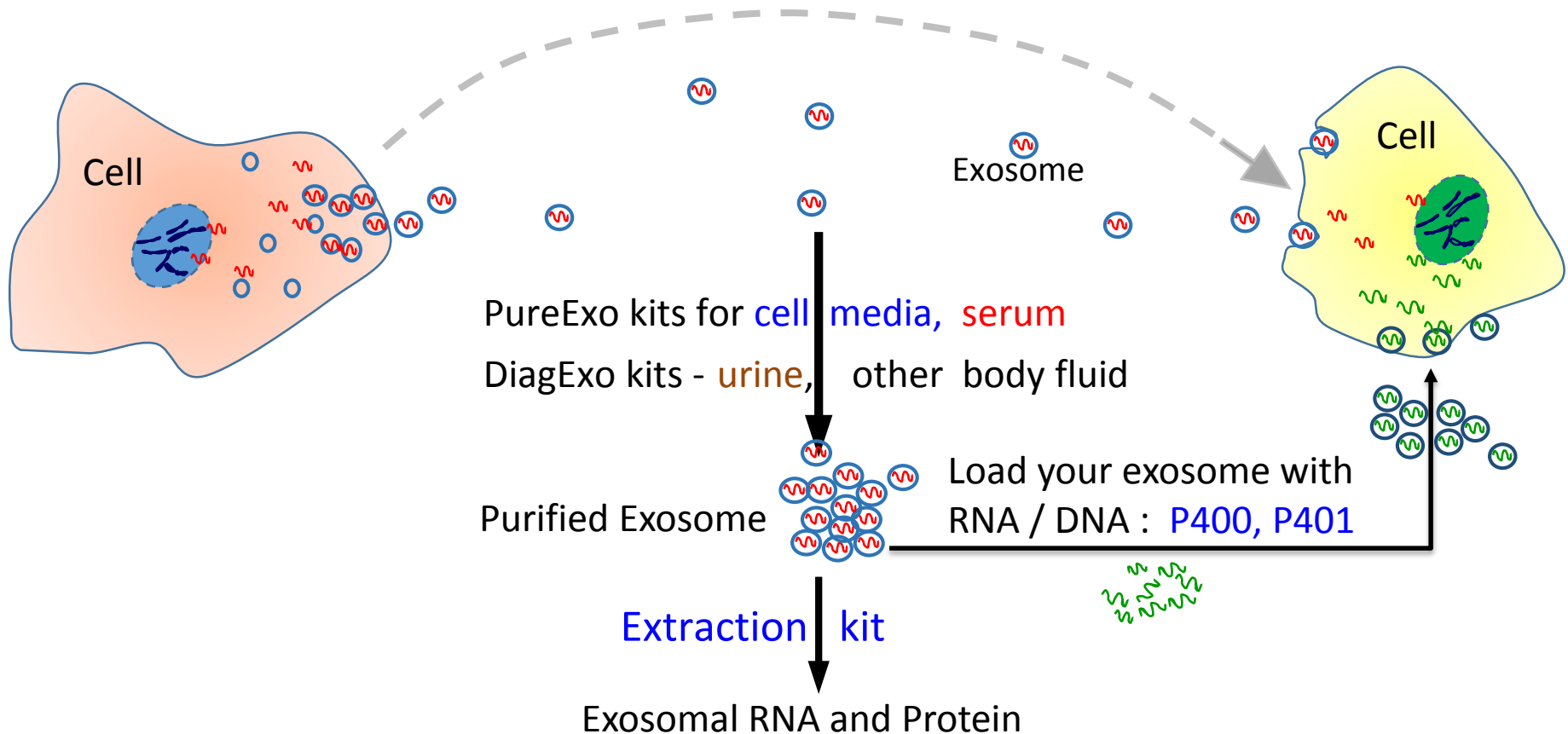
From 0.2 mL serum



## Advantages of our kits

- Exosome purity > 90%
- Exosome yield 10 folds > traditional methods
- One-stop product portfolio [click here](#)
- Diagnosis compatible
- Easy to use: < 20 min. hands on

## 101Bio product portfolio



Cat.#	Product	Application	
P100	PureExo <b>Cell</b> :	cell medium →	exosome
P101	PureExo <b>Serum</b> :	serum →	exosome
P120	DiagExo <b>Urine</b> :	urine →	exosome
P121	DiagExo <b>BodyFluid</b> :	body fluid →	exosome
P200	RNA / Protein Kit:	exosome →	RNA / protein
P300	Serum ExoProtein:	serum - - - - - →	protein
P400	ExoFectin (Electro):	small RNA <b>into</b> →	exosome
P401	ExoFectin (Chemical):	small RNA <b>into</b> →	exosome
P900	AAV / Adv Release:	producing cell <b>release</b> →	AAV / Adv
P901	101Transfection Kit:	RNA / DNA <b>into</b> →	cells

We also provide good services:

<b>Services:</b>	Exosome services	Cell Gene editing	Knock-in mouse / rat
	Cloning	Virus Packaging	Toxicology Services