



We isolate exosome at 95% high purity ;

We extract protein 10X faster .

info@101Bio.com

Palo Alto, California, USA

PureExo[®] Exosome Kits - 13 Citations mentioned :

- Exosome Isolation (cell media) Cat.#: P100



- Exosome Isolation (serum / plasma) Cat.#: P101



US Presidential Honored

- ExoFectin[®] sRNA-into-Exosome Cat.#: P401



Protein Extraction Kits - 2 Citations

- Plasma Membrane Protein Extraction Kit Cat.#: P503



- Cytoplasmic & Nuclear Protein Extraction Cat.#: P504



3D Cell Culture Gel (Col-Tgel) - 8 Citations





We offer the best kits for your precious samples because you get **exciting data** by isolating **Pure** exosome at **Higher** yield.

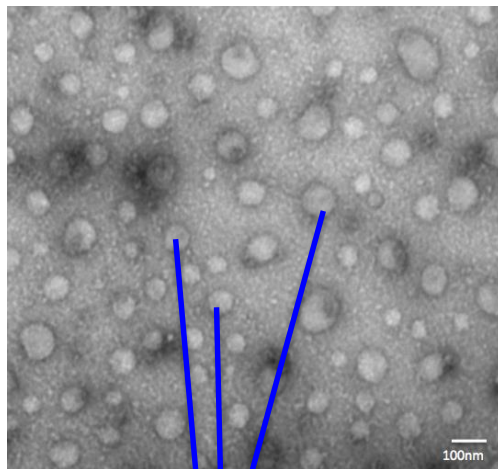
- start with 2 mL cell media or 0.2 mL serum
- exosome purity > 95%
- exosome yield 10 folds > traditional methods
- also work for plasma, urine, breast milk...

Exosome morphology

(Transmission electron microscopy analysis)

Homogeneous spherical morphology
only from our kit

101Bio

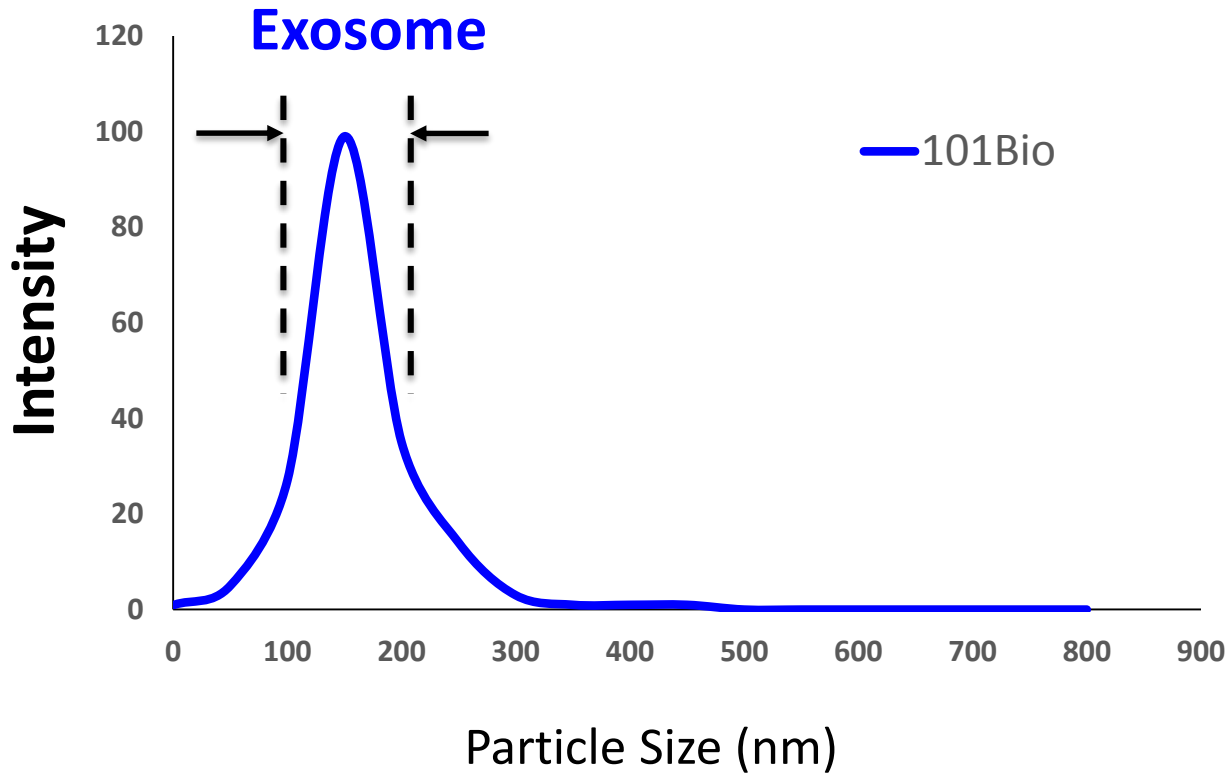


Exosomes

- **Homogeneous**
- Spherical
- Intact exosome



Dynamic Light Scattering (DLS) of isolated exosome shows **our kits isolate Pure exosome**



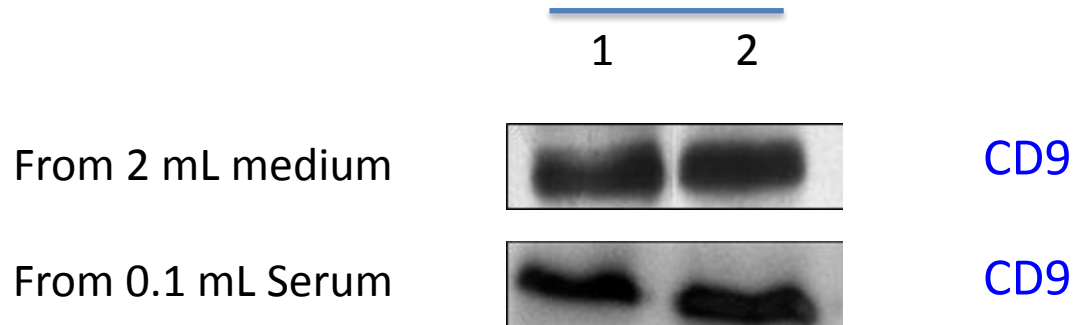


> 95% of the particles isolated **by our kits** are
exosomes

	Exosome purity (30 ~ 150 nm)
PureExo kit	96.3%

Exosome verified by Western Blot on CD9

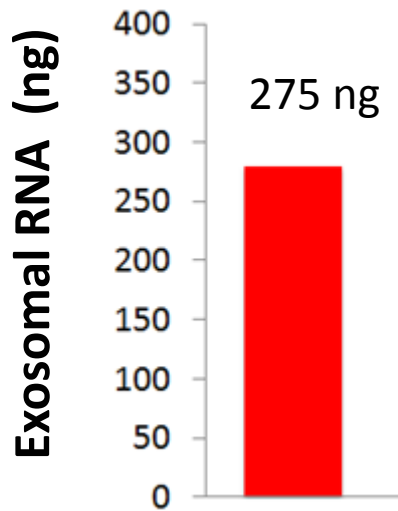
Exosomal protein isolated by 101Bio kits



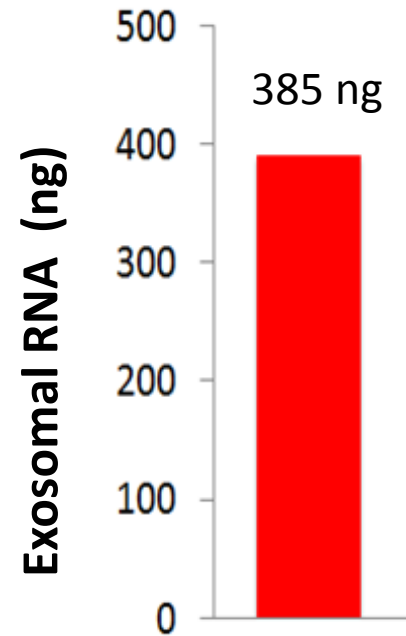


High exosomal RNA yield by 101Bio kits

From 2 mL cell culture medium



From 0.2 mL serum

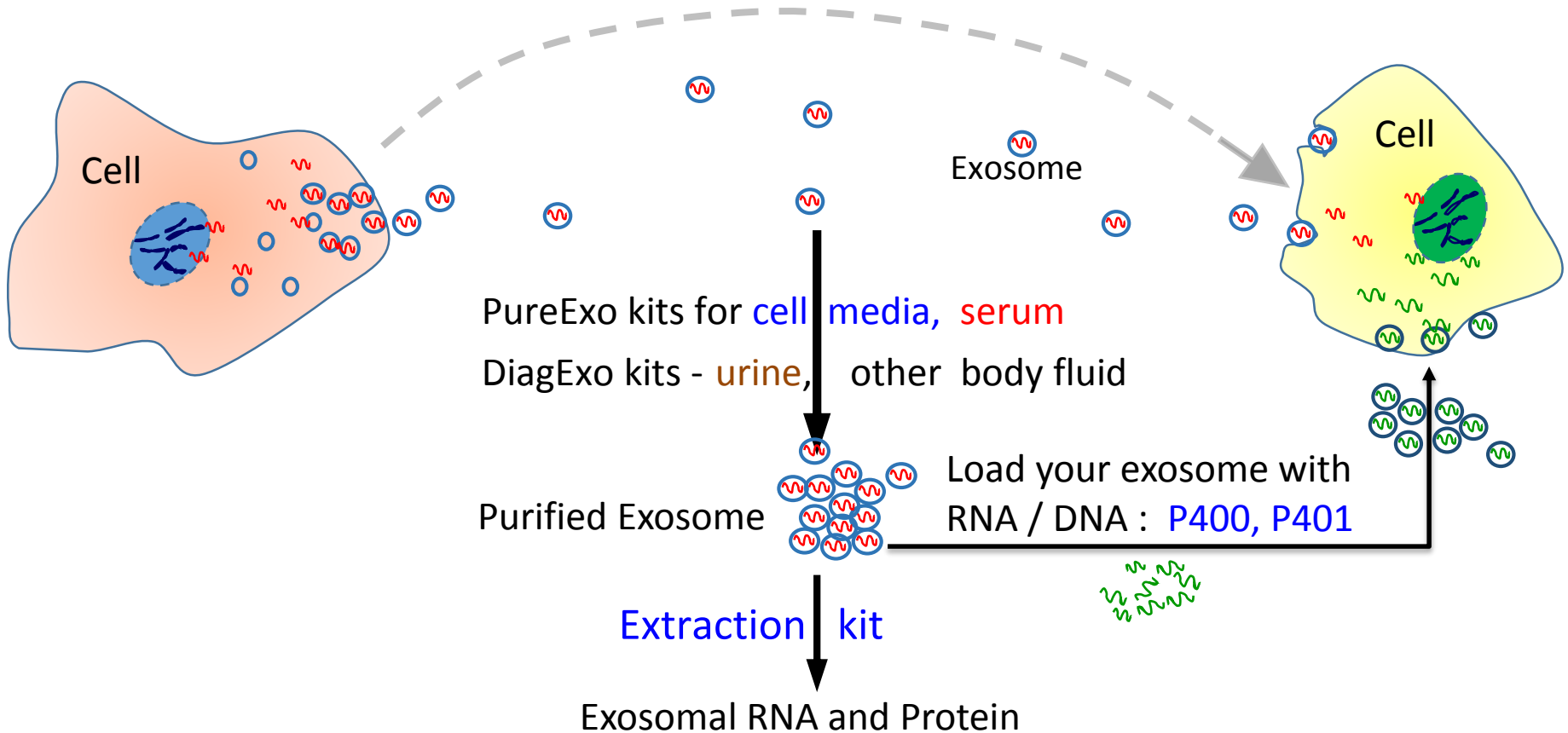




Advantages of our kits

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

3D Cell Culture Gel – Col-Tgel (P720)

optimized matrix for **tumor cell, stem cell** and **primary cell**

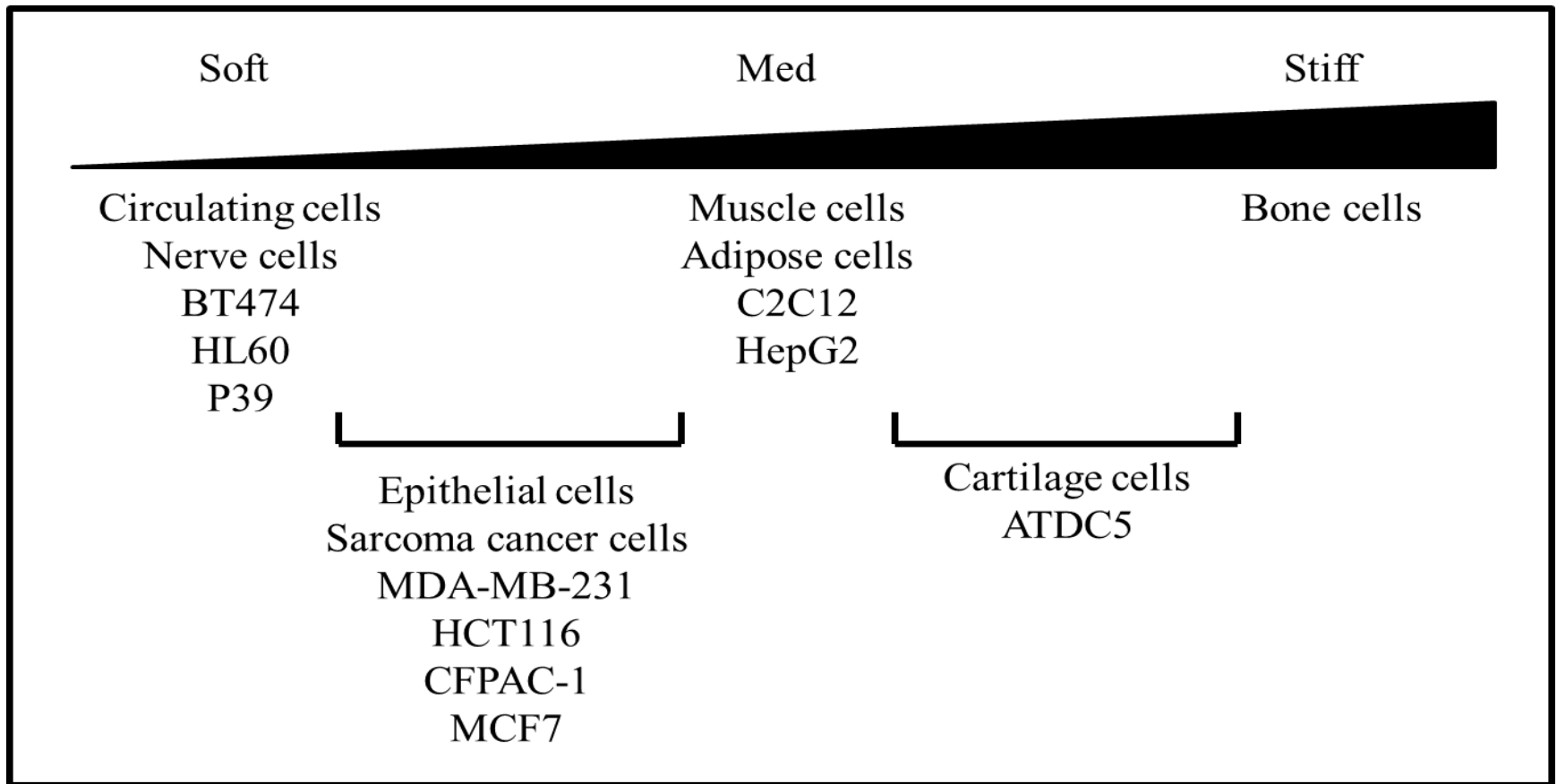
Potential customer: Cancer research, stem cell, tissue engineering labs, pharmaceutical company (drug delivery)

3D Cell Culture Gel – Col-Tgel (P720)

- Easy handling : **room temperature** (no ice)
- Save : **30%** below market price
- Fast : no hanging drop, no rotating wall vessel bioreactors
- 3 stiffness : soft, med, stiff for different cell types
- Transparency : easy to observe under microscope

Potential customer: Cancer research, stem cell, tissue engineering labs, pharmaceutical company (drug delivery)

3 Stiffness Fit Most Cell Types



Potential customer: Cancer research, stem cell, tissue engineering labs, pharmaceutical company (drug delivery)

Advantage of 101Bio 3D Culture Gel (Col-Tgel)

	101Bio Col-Tgel	Matrigel
Component	Collagen, real 3D	Gelatinous protein, not real 3D
Price	Save	Expensive
Growth factor	Free, no background	Growth factor reduced
Handle at	Room temperature	On ice
Stiffness	3 stiffness (Soft, Medium, Hard)	1 stiffness
Experiment time	60 minutes, 3 steps	130 minutes, multiple steps
Transparency	Yes, easy observe under microscope	Semi-transparent
Solidification time	Controllable, easy to use	Un-controllable



Fast & Simple Protein Extraction Solution

www.101Bio.com/protein.php

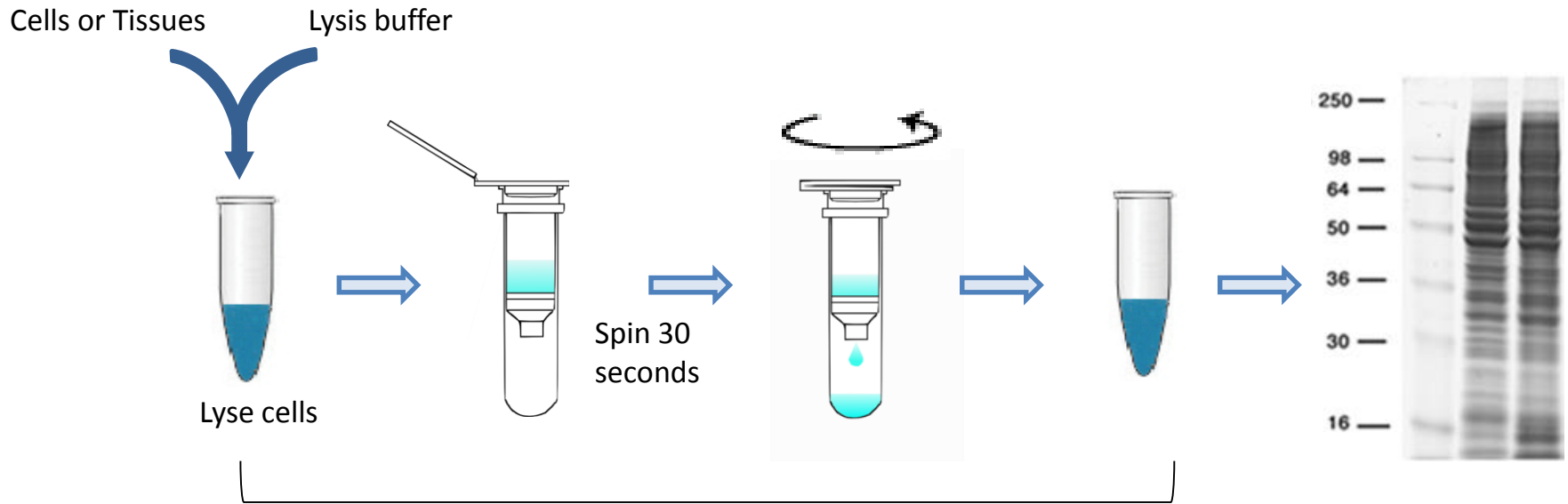


Comprehensive Solutions for Protein

- **Membrane protein, nuclear protein, mitochondria protein, bacterial protein and plant protein**
- Save hours of bench work
- Very user friendly
- No protein lost
- Small sample size

"Customers always re-order once tried."

Filter column technology saves your time



Super Fast, no Dounce, no protein lost

Most Popular Kits

- **Plasma membrane protein** extraction (P503)
 - Separates: plasma membrane, organelle membrane, cytosol and nuclei.
- **Total protein extraction**
 - Animal cells (P501)
 - Animal tissues (P502)
 - Plant protein (P508, P510)
- **Cytoplasmic & Nuclear Extraction (P504)**
- **Chloroplast Isolation (P511)**

Plasma Membrane Protein Kit

- Fast – <45 min protocol
- Keeps protein-protein interaction
- True native: detergent/EDTA-free
- Separate native cell fractions:
 - ✓ Plasma membrane
 - ✓ Organelle membrane
 - ✓ Cytosol
 - ✓ Nuclei
- Low starting material



Advantages of Plasma Membrane Protein Kit

	101Bio	Qiagen	Thermo	Abcom
Detergent-free	✓	×	×	×
Yield	High	Low	Low	Low
Keep protein-protein interaction	✓	Disrupt	Disrupt	?
Easy to handle	✓	×	×	×

Total Protein Extraction Kits (P501/P502)

- Fast (<1 min for denatured protein)
- No protein loss
- high yield (2~8 mg/ml)
- Simple – No sonication, boiling, and freeze/thaw cycles
- Small sample size



Advantages of Total Protein Extraction Kits (P501/P502)

	101Bio total protein kits	RIPA buffer
Procedure time	1 ~ 5 minutes	20 ~ 30 minutes
No protein lost	✓	×

Total **Plant Protein** Extraction (P508/P510)

- Fast – less than 5 minutes
- Suitable for **leaves, seeds, soft stem** and **roots**
- Small sample size (20~200 mg)
- High yield (2~6 mg/ml)
- Option to extract denatured and native proteins
- Detergent-free buffer system available (P510)



Advantage of Total **Plant Protein** Extraction (P508/P510)

	101Bio Plant Protein Kit	Sigma Kit
Procedure time	< 5 min.	> 60 min.
No liquid nitrogen	✓	×
No need motor and pestle	✓	×
No organic solvents	✓	×



Chloroplast Isolation Kit (P511)

- **Intact chloroplast**
- Suitable downstream DNA isolation

	101Bio Chloroplast kit	Sigma kit
Required material	10 ~ 200 mg	> 30,000 mg
Procedure time	5 min.	> 40 min.



Cytoplasmic & Nuclear Extraction Kit (P504)

- Fast – < 10 minutes **vs.** Thermo kit takes ~ 60 min.
- Efficient separation
- High yield – you get 50% more than other kits
- Native proteins



- Our pipeline is still growing. Tell us what you need. We will develop handful tools for you.

www.101Bio.com/protein.php