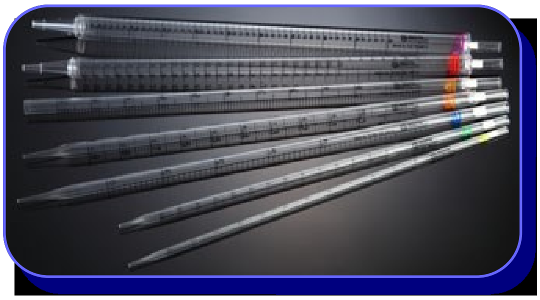

創世紀生技
DNA
RNA
Protein
Bio-Genesis Technologies Inc.
生科馬到成功
台北: 02-8792-9619
服務信箱: service@biogenesis.com.tw
BDM20260202

NOTES

實驗室必需品！ 熱銷品項！

Serological pipette



Cat. No.	品名	包裝 (袋/箱)
91001	1 ml	200/800
91002	2ml	150/600
91005	5ml	100/400
91010	10 ml	100/400
91025	25 ml	50/200

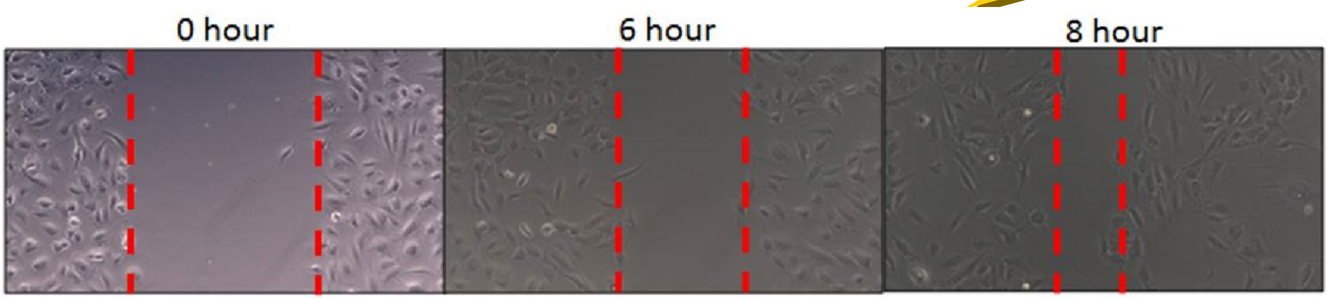
Conical tube

Cat. No.	品名	包裝 (袋/箱)
50015	15 ml, PP	50/500
51015	15 ml, PS	50/500
50050	50 ml ,PP	25/500
50040	50 ml, PP (20,000 x g)	10/100

Cell blocker (2 well or 3 well)

Cat. No.	品名	包裝 (袋/箱)
201935	6 cm Cell culture dish	1/30
201916	6 well plate	6/18
201904	4 well chamber slide	4/24
201902	25 inserts	25

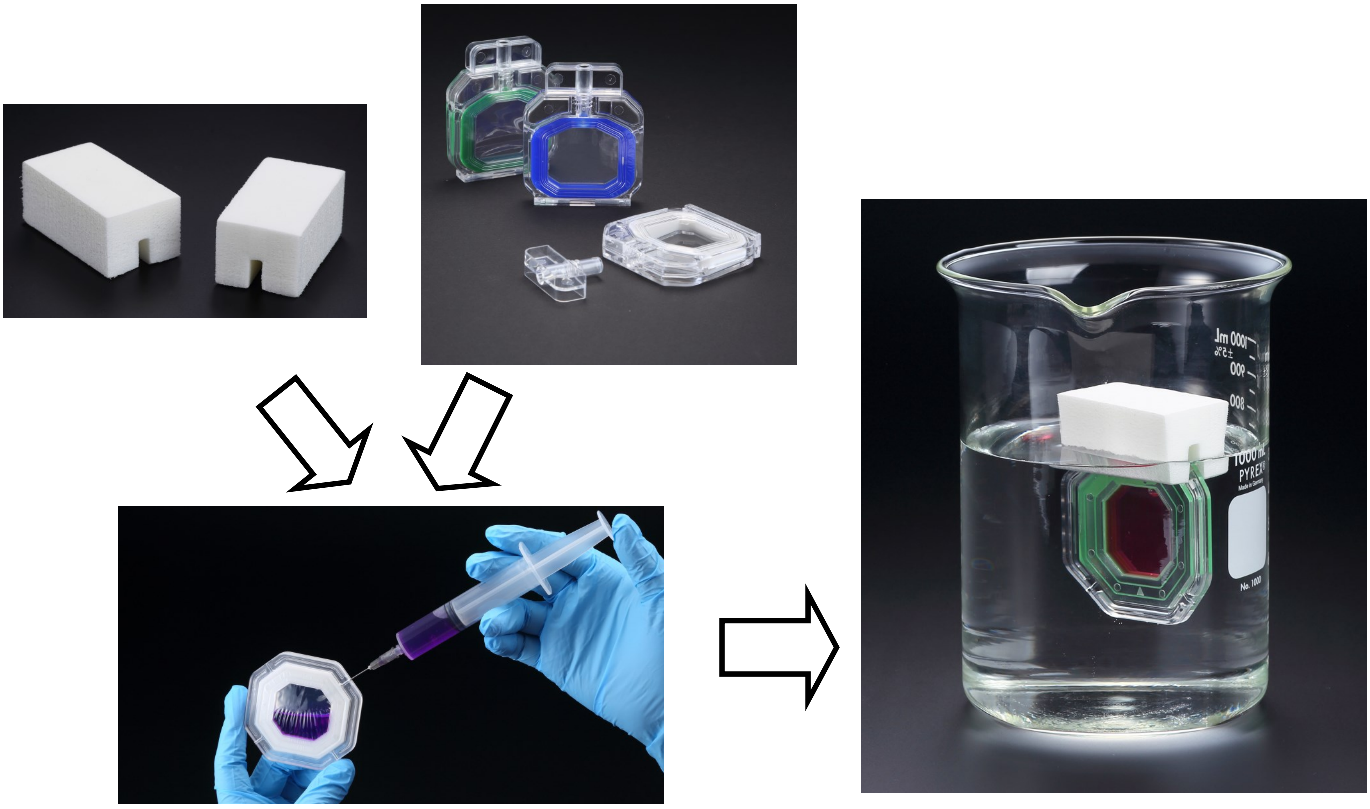
Test Data



隨著時間的增加，細胞會往中央的空白區域migration!!!

新品公佈　　Dialysis Chamber

讓您實驗的Dialysis步驟更加簡易方便



發生過好不容易純化的蛋白質，最後因拆除自製透析袋不慎而流失在茫茫PBS海裡的悲劇嗎?

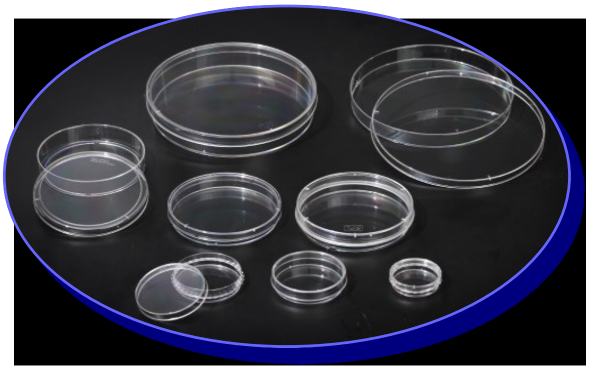
SPL的Dialysis chamber，將可避免這樣的悲劇發生。下列表為詳細格:

Cat.No.	Materials	Color	MWCO	Working Volume (ml)
97003	PC	Green	3.5 K	3.00 - 5.00
97007	PC	Blue	7 K	3.00 - 5.00
97014	PC	White	14 K	3.00 - 5.00
97099	Sponge	White	-	-
97103	PC	Green	3.5 K	13.00 - 15.00
97107	PC	Blue	7 K	13.00 - 15.00
97114	PC	White	14 K	13.00 - 15.00

SPL 耗材

Cell culture 系列

Cell culture dish

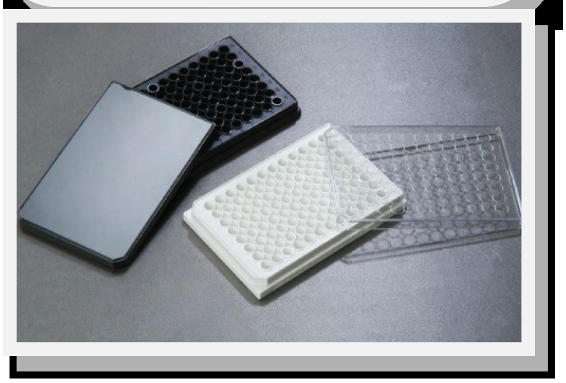


Cat. No.	品名	包裝 (袋/箱)
20035	3.5 cm dish	10 / 500
20060	6 cm dish	10 / 500
20100	10 cm (無環)	10 / 200
20101	10 cm dish	10 / 200
20151	15 cm dish	10 / 120

Cell culture flask

Cat. No.	品名	包裝 (袋/箱)
70025	25T, filter	5 / 200
70125	25T	5 / 200
70075	75T filter	5 / 100
70175	75T	5 / 100
71175	175T, filter	5 / 40
72175	175T	5 / 40

Cell culture plate

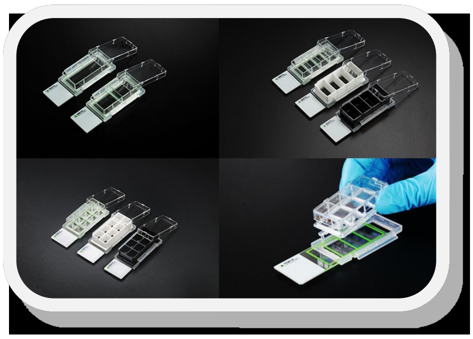


Cat. No.	品名	包裝 (袋/箱)
30004	4 well	4 / 120
30006	6 well	1 / 50
30012	12 well	1 / 50
30024	24 well	1 / 50
30048	48 well	1 / 50
30096	96 well (平底)	1 / 50
34096	96 well (U底)	1 / 50
30296	96 well黑盤	1/50
30196	96 well白盤	1/50
37384	384 well	10 / 40

Cell culture roller bottle (2L)

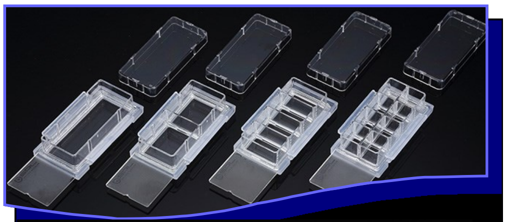
Cat. No.	品名	包裝 (袋/箱)
55085	細胞培養瓶,	2/40
55285	細胞培養瓶, Filter	2/40

Cell culture slide (玻璃材質；有1/2/4/8 well)



Cat. No.	品名	包裝 (袋/箱)
30104	透明格, 4 well slide	6/12
30114	黑格, 4 well slide	6/12
30124	白格, 4 well slide	6/12

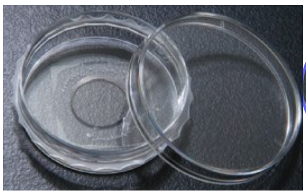
Cell culture slide (塑膠材質；有1/2/4/8 well)

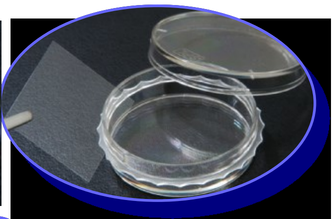


Cat. No.	品名	包裝 (袋/箱)
30402	透明格, 2 well slide	6/12
30404	透明格, 4 well slide	6/12
30408	透明格, 8 well slide	6/12

Cat. No.	品名	包裝 (袋/箱)
33101	玻璃底 cell culture slide	6/12
33201	塑膠底 cell culture slide	6/12

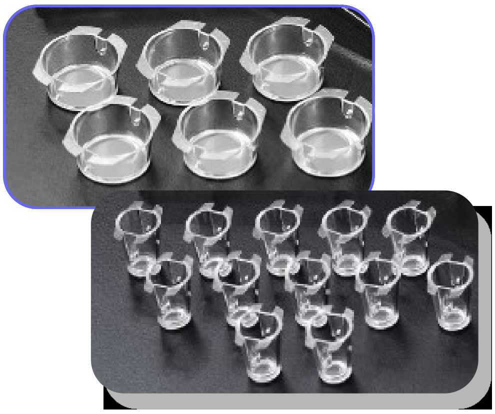
Confocal dish





Cat. No.	品名	包裝 (袋/箱)
100350	13 Ø ；透明 dish (左上)	5/100
100351	置入玻片(右上)	10/500
102350	13 Ø ；黑 dish (左下)	5/100
30106	13 Ø ；6well plate (右下)	1/4

Cell culture insert 懸掛式 (具PC, PET 材質)



Cat. No.	品名	包裝 (袋/箱)
36006	6 well, 0.4 um (PET)	6/24
36106	6 well, 3.0 um (PET)	6/24
36024	24 well, 0.4 um (PET)	12/48
36124	24 well, 3.0 um (PET)	12/48

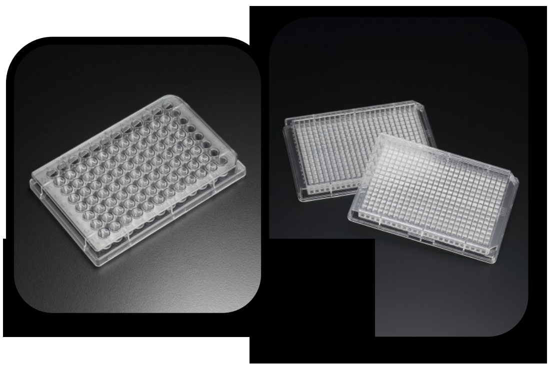
Cell culture insert 站立式 (具PC, PET 材質)

Cat. No.	品名	包裝 (袋/箱)
36306	6 well, 0.4 um (PET)	6/24
36406	6 well, 3.0 um (PET)	6/24
36324	24 well, 0.4 um (PET)	12/48
36424	24 well, 3.0 um (PET)	12/48

Cell culture insert 懸掛式

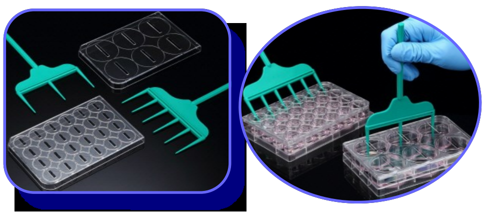
Cat. No.	品名	包裝 (袋/箱)
209260	6 cm 細胞共同培養盤	10/500
209200	10 cm 細胞共同培養盤	10/200

UVmax



Cat. No.	品名	包裝 (袋/箱)
33096	96 well UV偵測盤	10/40
330384	384 well UV偵測盤	1/20

Cell scratcher



Cat. No.	品名	包裝 (袋/箱)
201906	6 well格式 3爪	1/20
201924	24well格式 6爪	1/20

Cell cryovial

Cat. No.	品名	包裝 (袋/箱)
43012	細胞凍管, 外旋	50/500
43022	細胞凍管, 內旋	50/500
43112	細胞凍管, 外旋, O ring	50/500

Cell strainer

Cat. no (mm)	品名	包裝 (袋/箱)
93040	(藍)細胞濾網, 40 μm	1/50
93070	(白)細胞濾網, 70 μm	1/50
93100	(黃)細胞濾網, 100 μm	1/50

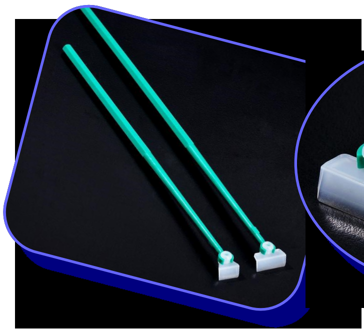
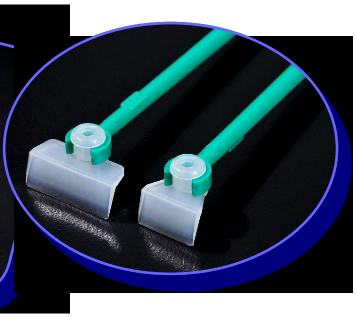
Cell strainer tube

Cat. no (mm)	品名	包裝 (袋/箱)
40405	(白)5ml 管式細胞篩網, 35μm	25/100

Cell Floater (Ultra low attachment)

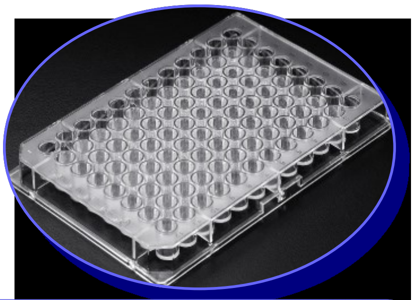
Cat. No.	品名	包裝 (袋/箱)
711025	25T Filter 培養瓶	5/10
711075	75T filter 瓶養瓶	1/3
26035	3.5 cm 培養皿	10/20
26060	6 cm 培養皿	10/20
26100	9 cm 培養皿	10/10
39706	6well培養盤	1/5
39724	24well培養盤	1/5
39796	96well培養盤	1/5
34896	96 well圓底培養盤	1/5

Cell Scraper

Cat. No.	品名	包裝 (袋/箱)
90020	13 mm細胞刮刀	1/100
90021	13mm細胞刮刀(可旋)	1/100
90030	30 mm細胞刮刀	1/100
90031	30 mm細胞刮刀(可旋)	1/100

Immunoplate (clear/ black/ white)




Cat. No.	品名	包裝 (袋/箱)
32296	Antibody ELISA plate	10/100
32396	Antibody/antigen ELISA plate	10/100
32496	Antigen ELISA plate	10/100
32696	Antibody ELISA plate (圓底)	10/100
31396	白盤, Antibody ELISA plate	10/100
31196	白盤, Antigen ELISA plate	10/100
31496	黑盤, Antibody ELISA plate	10/100
31296	黑盤, Antigen ELISA plate	10/100

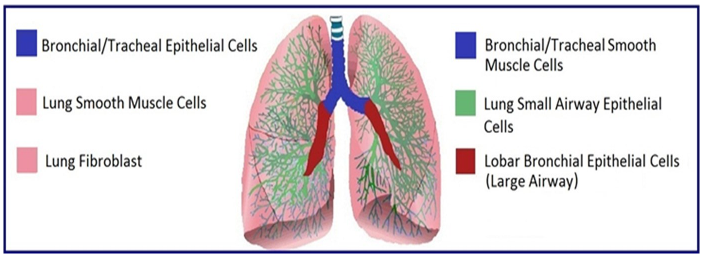

Cat. No.	品名	包裝 (袋/箱)
38096	Antibody ELISA strip	10/100
38196	Antibody / Antigen ELISA strip	10/100
31796	白盤, Antibody ELISA strip	10/100
31596	白盤, Antigen ELISA strip	10/100
31896	黑盤, Antibody ELISA strip	10/100
31696	黑盤, Antigen ELISA strip	10/100

各式人類組織細胞 / Stem cells / iPS fibroblast

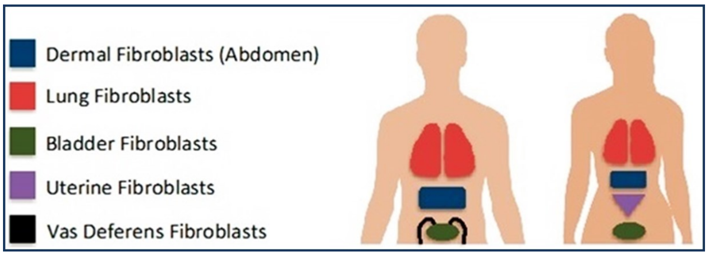
提供完整的人類細胞株以及完整的來源病理資料和道德規範法律文件，讓您在實驗呈現或是臨床試驗文件申請上無後顧之憂。

根據系統分類，LIFELINE提供下列人類細胞:

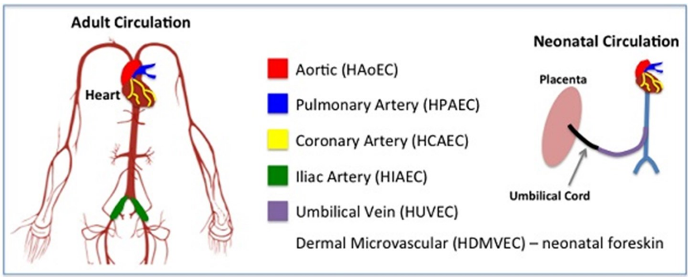
Airway Cell Systems
Bladder Cell Systems
Corneal Epithelial Cell Systems
Renal Cell Systems
Endothelial Cell Systems
Fibroblast Systems
Prostate Cell Systems
Stem Cell Systems, Human
Hematopoietic Systems
Reproductive Cell Systems
Keratinocyte Systems
Mammary Cell Systems
Skin Cell Systems
Melanocyte Cell Systems



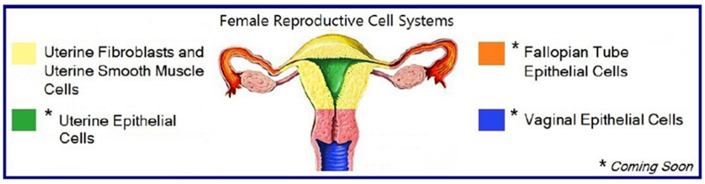
肺臟來源細胞



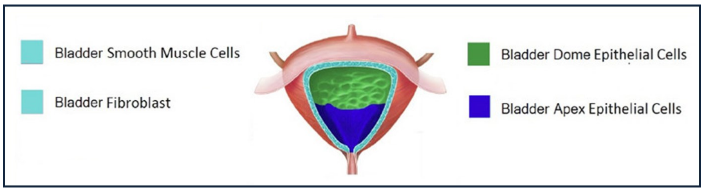
各式來源纖維母細胞



各式來源內皮細胞



生殖系統相關細胞



膀胱相關細胞

細胞凍存液

FrostaLife™ Xeno-Free Cryopreservation Solution
LM-0019 (for mammalian cells)

FrostaLife ™ Cryopreservation Solution
LM-0015 (for Primary Mammalian Cells)

位於美國加州的Biotium，是一家專門發展各式螢光標定試劑的公司。產品螢光的強度、持續性、多樣性皆可滿足現今各類實驗的需求。

CF® Dye TUNEL 凋亡檢測試劑盒可在固定的組織切片或細胞樣本中標記凋亡細胞，適用於螢光顯微鏡觀察或流式細胞儀分析。

TUNEL assay apoptosis detection kit

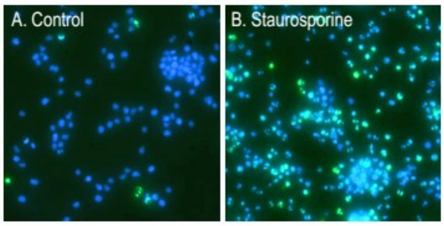
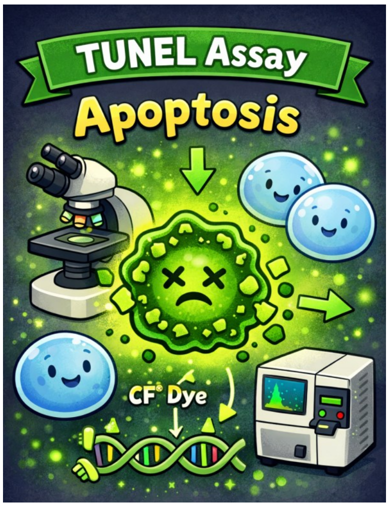


Figure 1. Jurkat cells labeled using the CF™488 TUNEL Assay Apoptosis Detection Kit after no treatment (A) or apoptosis induction with 1 uM staurosporine for 3 hours (B). Nuclei are counterstained with DAPI (blue).

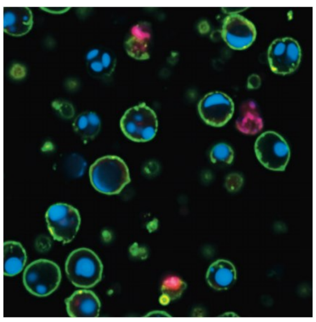


TUNEL Assays and dUTP Conjugates	Ex/Em (nm)	Catalog no.	Unit Size
CF™488A TUNEL Assay Kit	490/515	30063	50 reactions
CF™594 TUNEL Assay Kit	593/614	30064	50 reactions
CF™640R TUNEL Assay Kit	642/662	30074	50 reactions

提供一系列不同波段的粒線體染劑

MitoView™ Dyes	Color	Ex/Em	Mitochondrial Membrane Potential Dependent?	Catalog No.	Size
MitoView™ Blue	Blue	398/440 nm	Yes	70052	20 x 50 ug
MitoView™ 633	Far-red	622/648 nm	Yes	70055	20 x 50 ug
MitoView™ Green	Green	490/523 nm	No	70054	20 x 50 ug

Assay Kits	Color	Ex/Em	Assay	Catalog No.	Size
NucView™ 488 and MitoView™ 633 Apoptosis Kit	Green/ Red	500/530 nm (caspase-3) 622/648 nm (polarized mitochondria)	Two color detection caspase-3 activity and mitochondrial potential; see page 5 for more details	30062	100 assays
JC-1 Mitochondrial Membrane Potential Detection Kit	Green/ Red	510/527 nm (cytoplasm) 585/590 nm (polarized mitochondria)	Two-color detection mitochondria polarization/depolarization	30001	100 assays
MCB Glutathione Detection Kit	Blue	394/490 nm	Detection of cellular glutathione	30019	100 assays



想要同時分辨apoptosis 和 Necrosis?

Name	Catalog #	selection
Apoptosis and Necrosis Quantification kit	30017	50 assays
Apoptosis and Necrosis Quantification kit Plus	30065	50 assays

Green: apoptosis ; Red: necrosis

好螢光二抗讓染色實驗無往不利，顯微鏡瞬間升級成千萬級...

Biotium

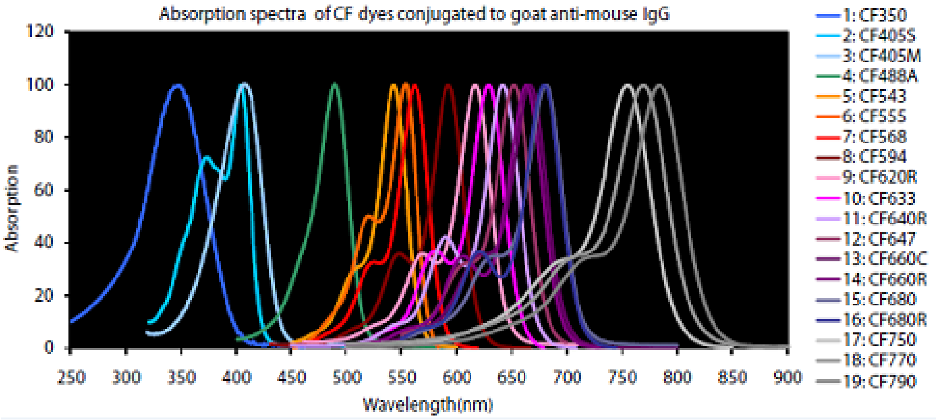
CF™ Dye Technology

- CF™350 Dye
- CF™405S Dye
- CF™405M Dye
- CF™488A Dye
- CF™514 Dye
- CF™532 Dye
- CF™543 Dye
- CF™555 Dye
- CF™568 Dye
- CF™594 Dye
- CF™620R Dye
- CF™633 Dye
- CF™640R Dye
- CF™647 Dye
- CF™660C and CF™660R Dyes
- CF™680 and CF™680R Dyes

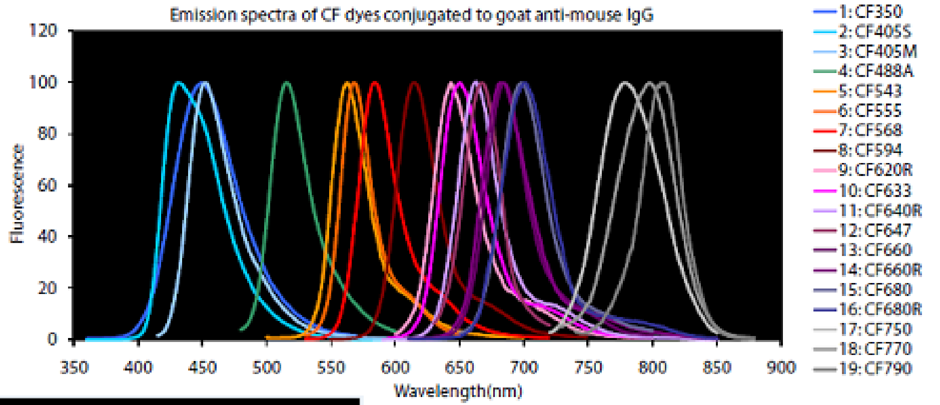
可直接依據波段選擇

提供全面的CF系列染劑供您選擇

吸收光譜



發散光譜



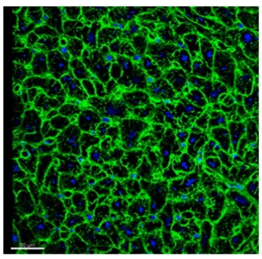
CF Dye	Product	Cat.#	Replacement for
CF405S	CF405S Goat Anti-Mouse IgG (H+L)	20080	Alexa Fluor® 405, Cascade Blue®, DyLight® 405
	CF405S Goat Anti-Rabbit IgG (H+L)	20082	
CF488A	CF488A Goat Anti-Mouse IgG (H+L)	20010	ATTO 488, Alexa Fluor® 488, Cy®2, DyLight® 488, FAM, FITC, Fluorescein
	CF488A Goat Anti-Rabbit IgG (H+L)	20012	
CF555	CF555 Goat Anti-Mouse IgG (H+L)	20030	Alexa Fluor® 555, ATTO 550, Cy®3, DyLight® 549, TRITC
	CF555 Goat Anti-Rabbit IgG (H+L)	20033	
CF568	CF568 Goat Anti-Mouse IgG (H+L)	20100	Alexa Fluor® 568, ATTO 565, Rhodamine Red
	CF568 Goat Anti-Rabbit IgG (H+L)	20102	
CF594	CF594 Goat Anti-Mouse IgG (H+L)	20110	Alexa Fluor® 594, ATTO 594, DyLight® 594, Texas Red®
	CF594 Goat Anti-Rabbit IgG (H+L)	20112	
CF633	CF633 Goat Anti-Mouse IgG (H+L)	20120	Alexa Fluor® 633, Alexa Fluor® 647, Cy®5, DyLight® 633
	CF633 Goat Anti-Rabbit IgG (H+L)	20122	

Secondary Antibody 選擇流程

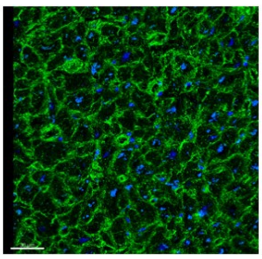
1. 確認 Primary Antibody 物種
2. 選擇對應 Secondary Antibody
3. 決定標記方式（CF® Dye / HRP / Biotin）
4. 對應實驗應用（WB / IF / IHC / Flow）

Applications

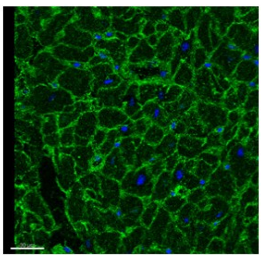
- CF® Dye 高亮度、低光漂白螢光染料
- Highly cross‑adsorbed，降低非特異性背景
- 支援多重染色與高解析影像分析



CF™ 488A



Cy™2



Alexa Fluor 488

Left:
Human heart fibronectin staining:
CFTM 488A 提供更亮、更穩定的訊號

抑制/促進劑(antagonist/agonist) / 抗體 / 重組蛋白 / 生化試劑 / Isotope / 螢光染劑

MCE® MedChem Express

Cancer Metabolism

Cat. No. HY-100116A
Mitoquinone (mesylate)
A TPP-based, mitochondrially targeted antioxidant.

Cat. No. HY-12040
Elesclomol
Potent copper ionophore and promotes cuproptosis.

Cat. No. HY-100681
GSK2837808A
A selective lactate dehydrogenase A (LDHA) inhibitor.

Cat. No. HY-100017
BAY-876
An orally active GLUT1 inhibitor, inhibits glycolytic metabolism and ovarian cancer growth.

Cat. No. HY-10450
Dapagliflozin
A sodium/glucose cotransporter 2 (SGLT2) inhibitor, induces HIF1 expression & attenuates renal IR injury.

Cat. No. HY-16214
FX-11
A selective LDHA inhibitor, reduces ATP levels and induces oxidative stress, ROS production and cell death.

Cancer Immunotherapy

Cat. No. HY-111789
Subasumstat
A first in class inhibitor of the SUMOylation enzymatic cascade, with potential immune-activating and antineoplastic activities.

Cat. No. HY-13756
Tacrolimus
A macrocyclic lactone with immunosuppressive properties, inhibits T-lymphocyte signal transduction and IL-2 transcription.

Cat. No. HY-11109
Resatorvid
A selective TLR4 inhibitor, inhibits NO, TNF-α and IL-6 production.

Cat. No. HY-101979
Numidargistat (CB-1158)
An orally active inhibitor of arginase. Immuno-oncology agent.

Cat. No. HY-136927
MSA-2
A STING agonist, stimulates interferon-β secretion in tumors, induces tumor regression.

Cancer Targeted Therapy

Cat. No. HY-10162
Olaparib
An orally active PARP inhibitor, induces autophagy and mitophagy.

Cat. No. HY-10201
Sorafenib
An orally active, multi-targeted inhibitor targeting Raf, VEGFR2, VEGFR3, PDGFRβ, FLT3 and c-Kit.

Cat. No. HY-10261
Afatinib
An orally active, dual specific inhibitor of ErbB family (EGFR and HER2).

Cat. No. HY-10374
Semaxinib
A selective inhibitor of VEGFR (Flk-1/KDR).

Cat. No. HY-10981
Lenvatinib
A multi-targeted inhibitor, inhibits VEGFR1-3, FGFR1-4, PDGFR, KIT, and RET.

Cat. No. HY-134813
MRTX1133
A noncovalent, potent, and selective KRAS G12D inhibitor.

Cancer Stem cells

Cat. No. HY-100526
XMU-MP-1
A selective MST1/2 inhibitor.

Cat. No. HY-10409
Fedratinib
An ATP-competitive JAK2 inhibitor.

Cat. No. HY-15315
Baricitinib
A selective JAK1 and JAK2 inhibitor.

Cat. No. HY-10182
Laduviglusib
A GSK-3α/β inhibitor and Wnt/β-catenin signaling pathway activator, enhances mouse and human embryonic stem cells self-renewal.

Cat. No. HY-10583
Y-27632 dihydrochloride
An orally active and ATP-competitive ROCK (Rho-kinase) inhibitor with antiepileptic effects.

Cat. No. HY-12302
Kenpaullone
An inhibitor of CDK1/cyclin B, GSK-3β and KLF4, reduces self-renewal of breast cancer stem cells and cell motility in vitro.

MCE 也提共如下列舉的**Compound library** (目前共22種分類)
供客戶高通量篩選藥劑使用

HY-L001
Bioactive Compound Library
A unique collection of 2242 small molecule compounds for drug screening, drug target identification, and other pharmaceutical-related applications.

HY-L009
Kinase Inhibitor Library
A unique collection of 532 kinase inhibitors/regulators for high throughput screening (HTS) and high content screening (HCS).

HY-L013
Neuronal Signaling Compound Library
A unique collection of 258 bioactive compounds for Neuronal Signaling research and screening.

HY-L006
GPCR/G protein Compound Library
A unique collection of 342 small inhibitors/regulators for drug development and GPCR research/screening.

高純度、高活性重組蛋白，讓您的細胞頭好壯壯

PROSPEC
Protein Specialists

ProSpec 是以色列的生技公司，以提供高純度的重組蛋白質作為腫瘤研究、細胞凋亡、內分泌、免疫、神經科學以及幹細胞的相關研究

Protein	Cat#	Size
GLP-1 (human)	HOR-284	1mg, 5mg, 100mg
Activin-A Human, HEK-Active	CYT-078	1µg, 5µg, 50µg
Artemin Human	CYT-306	5µg, 20µg, 1mg
BDNF Human	CYT-207	2µg, 10µg, 1mg
b NGF Human, HEK	CYT-079	2µg, 10µg, 100µg
CNTF Human	CYT-272	5µg, 20µg, 1mg
CYR61 Human	CYT-164	5µg, 20µg, 1mg
CD31 Human	PRO-471	2µg, 5µg, 10µg
CT 1 Human	CYT-436	2µg, 10µg, 1mg
Cystatin C Human, Active	PRO-961	2µg, 10µg, 1mg
EPO a Human, HEK	CYT-083	2µg, 10µg, 1mg
FGF 1 Human, Sf9	CYT-364	2µg, 10µg, 1mg
FGF 2 Human, HEK	CYT-085	2µg, 10µg, 1mg
FGF 9 Human	CYT-415	5µg, 20µg, 1mg
GDNF Human	CYT-305	2µg, 10µg, 1mg
IL 1 alpha Human	CYT-253	2µg, 10µg, 1mg
IL 6 Human, HEK	CYT-098	2µg, 10µg, 1mg
IL 8 Human, Pichia	CHM-349	5µg, 25µg, 1mg
IL 11 Human, Pichia	CYT-013	2µg, 10µg, 1mg
IL 12 Human	CYT-101	2µg, 10µg, 100µg
IL 17 Human, HEK	CYT-102	2µg, 10µg, 100µg
IL 23 Human	CYT-050	2µg, 10µg, 100µg
LIF Human	CYT-644	2µg, 10µg, 1mg
MANF Human	CYT-141	5µg, 20µg, 1mg
NRG1 Human	CYT-407	10µg, 50µg, 1mg
NT 3 Human	CYT-257	2µg, 10µg, 1mg
PLGF 1 Human	CYT-419	2µg, 10µg, 1mg
PLGF 2 Human	CYT-420	2µg, 10µg, 1mg
SDF 1a Human	CHM-262	2µg, 10µg, 1mg
SOD2 Human	PRO-819	5µg, 25µg, 1mg
TAFA2 Human	CYT-118	5µg, 20µg, 1mg
VEGF Human, HEK	CYT-225	2µg, 10µg, 0.1mg
VEGFB Human	CYT-628	2µg, 10µg, 1mg
VEGF C Human	CYT-527	2µg, 10µg, 1mg

抑制/促進劑(antagonist/agonist)

ApexBio 可依據不同訊息傳遞分類搜尋

下表為細胞凋亡相關使用化學藥劑

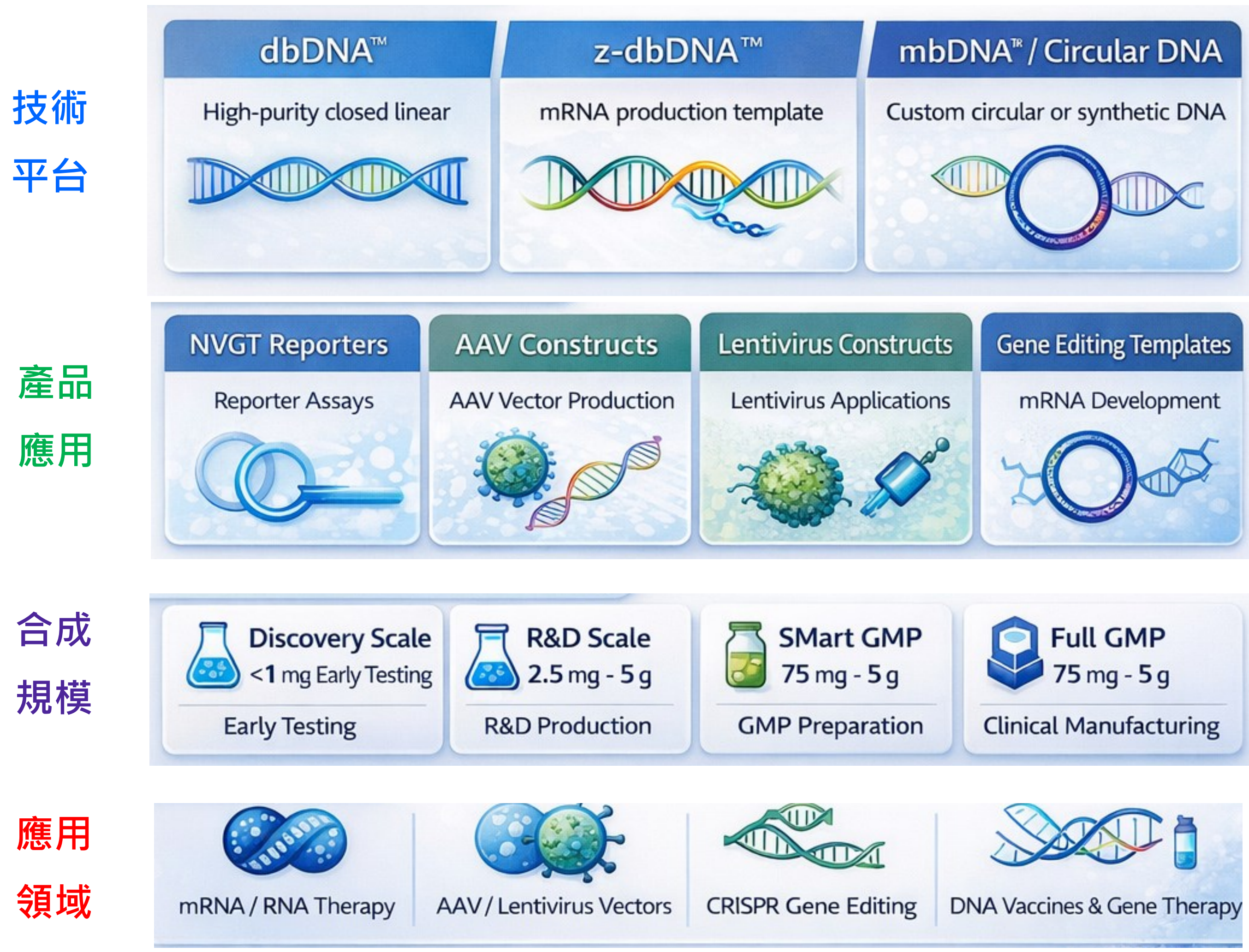
Cat.No.	Product	Information
A1901	Q-VD-OPh hydrate	Cell-permeable, irreversible pan-caspase inhibitor
A1902	Z-VAD-FMK	Cell-permeable, irreversible pan-caspase inhibitor
A1920	Z-DEVD-FMK	Caspase-3 inhibitor
A1921	Z-DQMD-FMK	Caspase-3 inhibitor,cell-permeable
A1922	Z-VDVAD-FMK	Caspase-2 inhibitor
A1923	Z-VEID-FMK	Caspase-6 inhibitor
A1925	Caspase-3/7 Inhibitor I	Caspase-3/7 inhibitor
A1930	Apoptosis Inhibitor	Associate with caspase-3 inhibition
A8165	Q-VD(OMe)-OPh	Pan-caspase inhibitor
A8170	Z-FA-FMK	Cysteine proteases inhibitor
A8177	PAC-1	Procaspase-3 activator
A8321	Cisplatin	Inhibits DNA synthesis,chemotherapy drug
A3935	WEHI-539	Bcl-xL inhibitor,potent and selective

Signaling Pathways

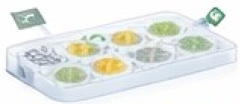
- Chromatin/Epigenetics
- Apoptosis
- Proteases/Proteasome
- Metabolism
- Tyrosine Kinase/Adaptors
- MAPK Signaling
- PI3K/Akt Signaling
- Cell Cycle/Checkpoint
- DNA damage/DNA repair
- Jak/Stat Signaling
- GPCR/G protein
- TGF-β/Smad Signaling
- Ubiquitination
- Angiogenesis
- Stem Cell
- Neuroscience
- Membrane Transporter/Ion Channel

客製化cell-free DNA 生產

Touchlight 獨特的 **dbDNA™ 技術** 製造**高純度、無細胞 DNA**，提供從 **RUO 到 GMP 等級**的解決方案，協助**基因醫療產品**高效率送達患者體內。



jetPRIME®



Fast & efficient DNA/ siRNA transfection

Polyplus transfection

Best for

- Standard adherent cell lines
- High reproducibility, routine experiments

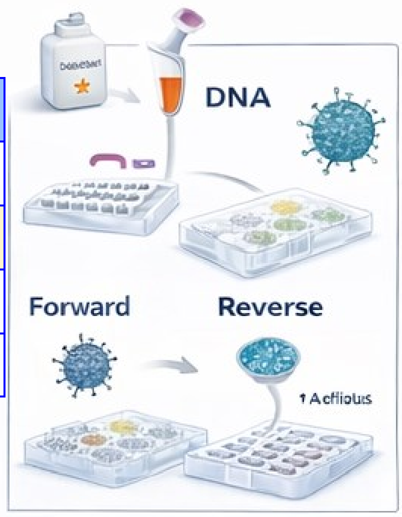
Key features

- High transfection efficiency with low toxicity
- Optimized for DNA & siRNA co-transfection
- Simple protocol, robust results

Cell types	jetPRIME	Cell types	jetPRIME
HEK-293T	80 - 90%	Huh-7	30 - 50%
MCF-7	50%	NIH-3T3	50 - 70%
HCT-116	70%	RAW 264.7	40 - 50%
PC-3	70%	SH-SY5Y	70 - 80%
HeLa	70 - 90%	B16-F10	70 - 80%
HepG2	50 - 70%	Vero	50%

廠牌	技術	轉染物質	6well 實驗		
			DNA	reagent	confluent
jetPRIME	cationic polymer	DNA/ RNA	2 µg	4 µl	60 to 80%
L2K	lipid	DNA/ RNA	2.5 µg	5-12 µl	70 to 90%
TurboFect	cationic polymer	DNA	4 µg	6 µl	70 to 90%

產品名稱	貨號	包裝
jetPEI	101000053	1 mL
jetPRIME	101000046	1.5 mL
jetOPTIMUS	101000025	0.75 mL
	101000006	1.5 mL



jetPEI®

Large-standard PEI for DNA delivery

Key features

- Lineer PEI, highly stable & cost-effective
- Batch-to-batch consistency
- Widely cited in gene therapy research

Typical applications

- Lentivirus / AAV production
- Stable cell line generation
- High-throughput reverse transfection

jetOPTIMUS®

Advanced transfection for hard-to-transfect calls

*When jetPRIME or jetPEI io not emolugh.

NEW

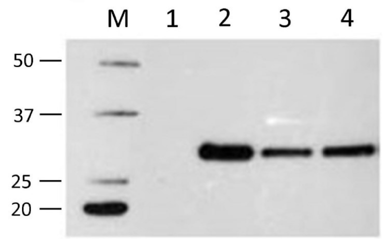
Feature	jetPRIME	jetPEI®	jetOPTIMUS®
DNA / SIRNA	✓	✓	✓★★★
Standard cell lines	✓★★★★	★★★	✓★★★
Hard-to-transfect cells	✓★★★★	★★	✓★★★
Primary cells	—	—	✓★★★
Viral production	—	✓★★	✓★★★

藥廠 / CDMO level 轉染試劑最佳選擇

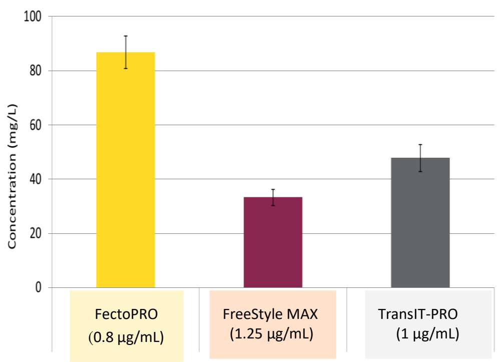
FectoPRO® vs PEIpro®

FectoPRO®

- 專為蛋白 / 抗體高產量所設計
- 適用CHO / HEK293表達系統
- 極低DNA用量 (1µg/ mL)
- 可搭配booster，增加yield
- 極佳的轉染效率
- 適合小量(mL)到大量(L)



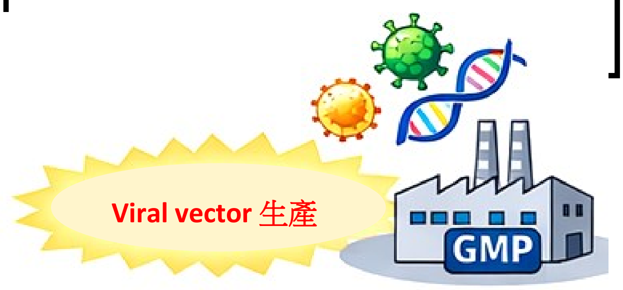
M: Marker
1: un-transfection
2: FectoPRO
(0.8 µg/mL)
3: FreeStyle MAX
(1.25 µg/mL)
4: TransIT-PRO
(1 µg/mL)



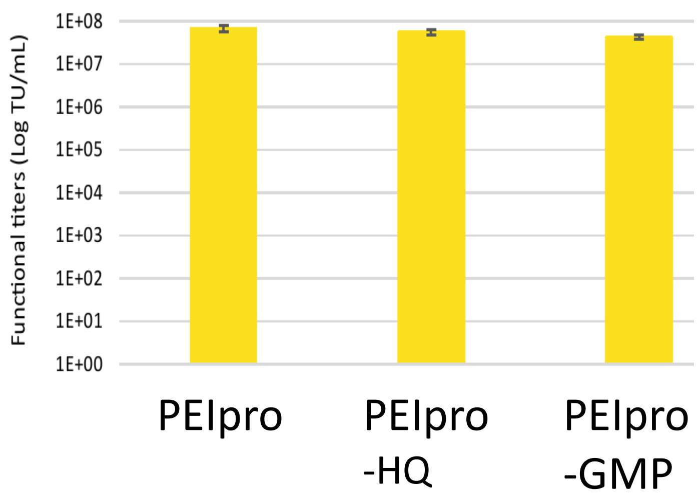
貨號	產品名稱	Volume
101000014	FectoPRO 1 mL	1 mL
101000007	FectoPRO 10mL	10 mL
101000019	FectoPRO 100mL	100 mL

PEIpro®

- 專為Viral vector 生產所設計
- 適用adherent &suspension 細胞
- 支援AAV, lentivirus, adenovirus生產
- classic Linear PEI 轉染技術
- 提供HQ 和GMP grade產品



Three grades of PEIpro with the same viral yield:



Transfecton were performed on HEK-293T cells using standard protocols.

貨號	產品名稱	Volume
101000017	PEIpro 1.5 mL	1.5 mL
101000033	PEIpro 10mL	10 mL
101000026	PEIpro 100mL	100 mL

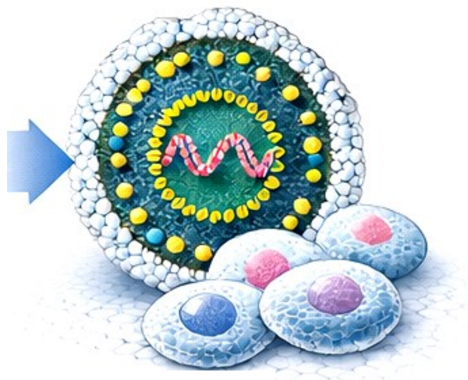
LNP 製程Cationic lipids　/ Ready to Use 產品

~~Non-Viral nucleic acid Cell delivery strategy~~

LipidBrick® 專利產品 , cat. No. 101000232

專利的陽離子脂質成分，用於組裝 *脂質奈米粒子（LNPs）*，支援 mRNA 疫苗與治療性藥物的遞送系統。

- *imidazolium-based* 陽離子脂質組成，有別於一般 ionizable lipid 。
- *extra-hepatic* 目標性分布潛力，根據應用調整 LNP 性質 。
- 保護 mRNA、siRNA、DNA ，在體內遞送中提高效率與穩定性 。
- 研發 mRNA 疫苗、治療用脂質奈米遞送系統、以及其他 RNA/LNP 藥物平台。



mRNA 疫苗開發

基 因 療 法

LNP遞送系統

貨號	產品名稱	Qty
101000172	LipidBrick® M21.7c 250mg	250 mg
101000173	LipidBrick® M21.7c 1g	1 g

LipidBrick® Cell Ready

Immune cells gene delivery strategy, cat. 101000301

- Ready to use產品，無需額外製備。
- 支援transient 轉染與穩定基因修飾的高轉染效率。
- 高度細胞存活及功能保留。
- 可由實驗室規模展延至生產級別的擴增。
- mRNA、saRNA、gRNA、pDNA、nanoplasmid、circRNA 等皆可遞送 。

- 免疫細胞 (T cells、NK cells、Dendritic cells)
- 幹細胞 (CD34+ Hematopoietic Stem Cells)
- CAR-T / CAR-NK 細胞開發及功能化

貨號	產品名稱	Volume
101000301	LipidBrick® Cell Ready 0.3 mL	0.3 mL
101000302	LipidBrick® Cell Ready 1 mL	1 mL

數據會說話，大量文獻佐證，目前市面最佳

活體內轉染試劑- *in vivo* jetPEI®

in vivo jetPEI®是一線性聚乙烯衍生物，能將 DNA, siRNA 送至細胞內，適用於體內功能性研究和 RNAi 的干擾性實驗。也可應用於疾病或癌症的臨床試驗。

■產品特性■

可活體內轉染 DNA, siRNA and oligonucleotides

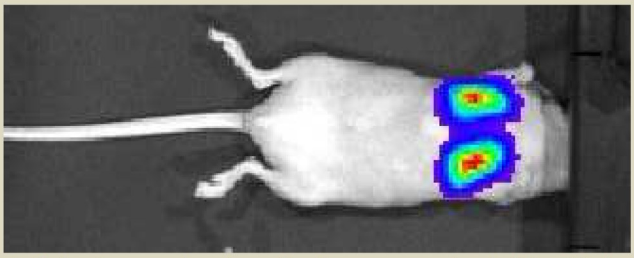


Fig1. Bioluminescent imaging of luciferase expression in living Nude mouse using IVIS 100 camera (Caliper-PerkinElmer) 24 h after gene delivery. pCMVLuc (50 μg) was complexed with in vivo-jetPEI® in 400 μl of 5% glucose solution and injected into the tail vein.

可應用於 Ⅰ期，Ⅱ期 和 Ⅲ期 臨床試驗

Fig.2 Clinical Pipeline of in vivo-jetPEI®.

適用於多物種: mouse, rat, guinea pig, duck, rabbit, monkey, goat, sheep, chicken, quail, hamster, cow, tadpole, shrimp and fish

多種給藥途徑

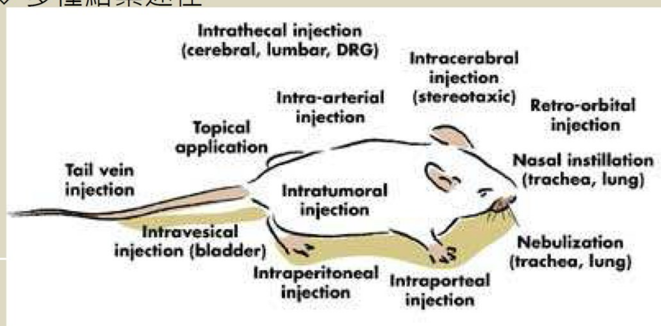


Fig3. Successful delivery routes in mouse using in vivo-jetPEI®.

不致發炎反應

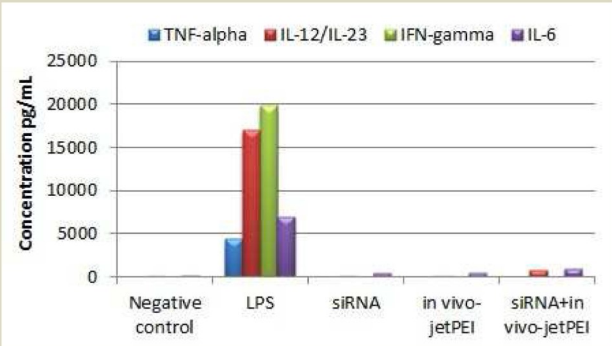
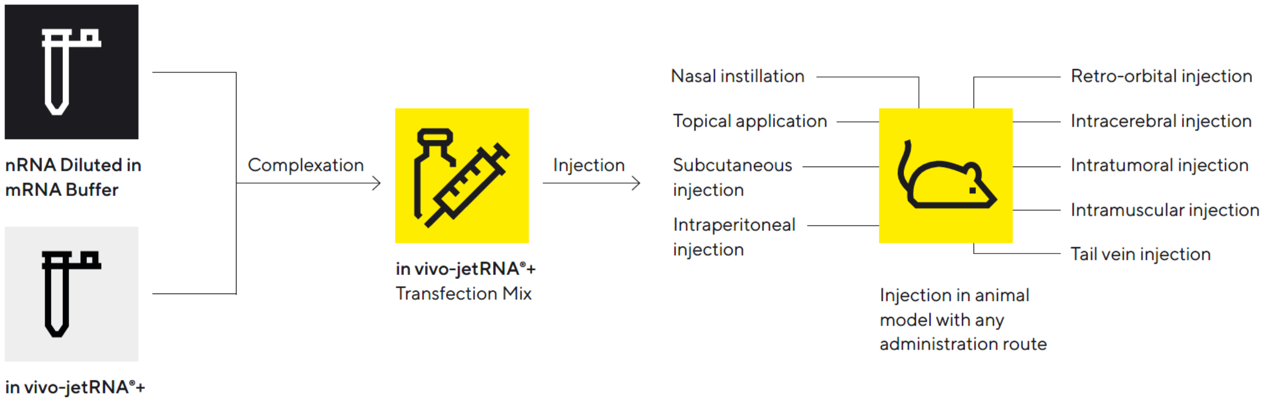


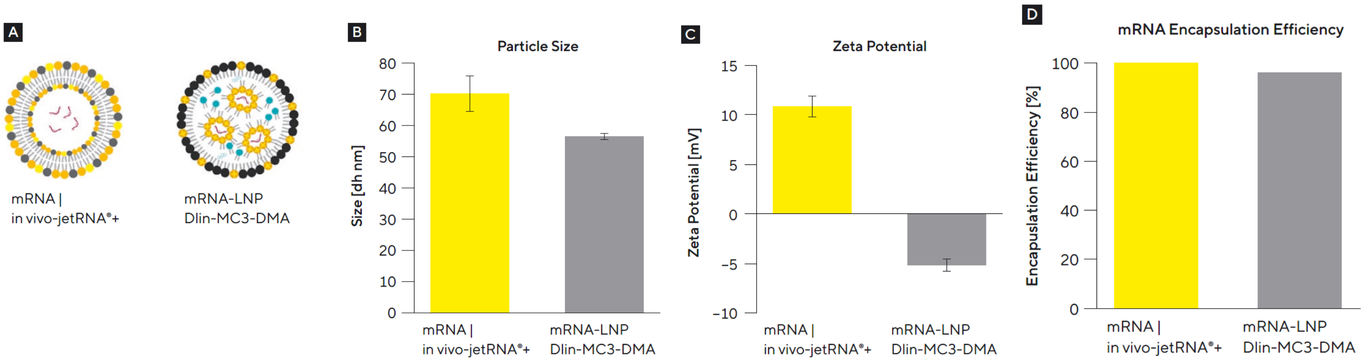
Fig4. Serum concentration of TNF-α, IL12/IL23, IFN γ and IL6 following intravenous nucleic acid delivery using in vivo-jetPEI® (N/P=8) respectively 1h, 6h, 12h and 6 h after delivery. The negative control consists of an IV injection of 5% glucose; the positive control an IP injection of 50 μg E.Coli LPS. 40 ug siRNA were delivered with or without in vivo-jetPEI®.

產品名稱	包裝	產品編號	反應數
in vivo jetPEI® delivery Reagent + glucose sol.	0.1 ml	201-10G	0.1ml is sufficient to perform up to 20 IV in mouse with 50 μg of DNA.
	0.5 ml	201-50G	

in vivo-jetRNA®+

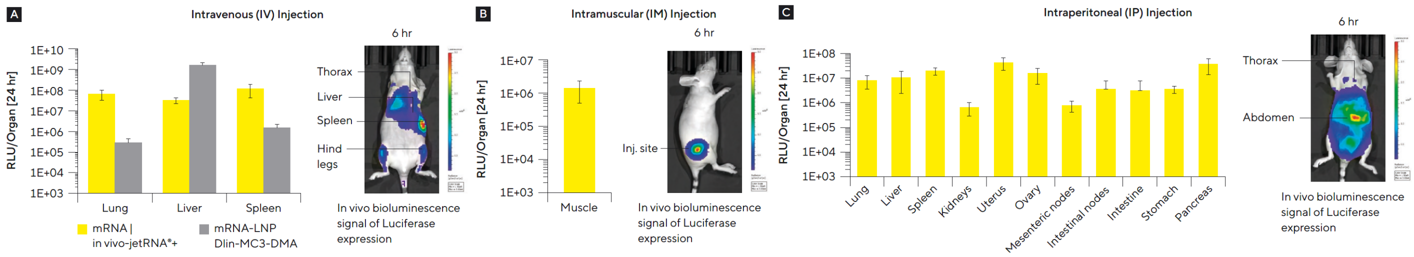
A Ready-to-Use Lipid-Based Nanoparticle Solution for In Vivo mRNA Delivery





(A) 比較 **mRNA | in vivo-jetRNA+** 與 **LNP** 的示意圖。(B) 粒徑大小 與 (C) ζ 電位：以 **1:2（μg mRNA : μL 試劑）** 的比例，在 **mRNA buffer 中**、**mRNA 濃度為 50 ng/μL**，反應 **1 小時（hr）** 後形成之 **mRNA | in vivo-jetRNA+ 複合體**，或 **濃度為 250 ng/μL 的可離子化 LNP**，並以 **動態光散射（Dynamic Light Scattering, DLS）** 進行量測。 (D) **包裹效率（Encapsulation efficiency）** 使用 **RiboGreen assay** 進行評估。

Downstream Luciferase m mRNA Expression Following in Vivo mRNA Delivery at DifferenTime & Injection



以 **in vivo-jetRNA®+** 透過不同給藥途徑將**編碼螢光素酶（Luciferase）的 mRNA** 注射至小鼠體內：(A) **靜脈注射（intravenous, IV）**、(B) **肌肉注射（intramuscular, IM）**，以及(C) **腹腔注射（intraperitoneal, IP）**。mRNA | in vivo-jetRNA®+ 複合體係以 **1:2（μg mRNA : μL 試劑）** 的比例，在 **mRNA Buffer** 中製備；注射劑量分別為 **IV 使用 10 μg mRNA**、**IM 使用 5 μg mRNA**、**IP 使用 20 μg mRNA**。**螢光素酶表現量** 於注射後 **6 小時與 24 小時** 進行評估。

Sartorius

MACHEREY-NAGEL

Filtration · Rapid Tests · Water Analysis · Chromatography · Bioanalysis
Filtration · Schnellteste · Wasseranalytik · Chromatographie · Bioanalytik

市面上唯一德國設計、德國生產的核酸萃取試劑

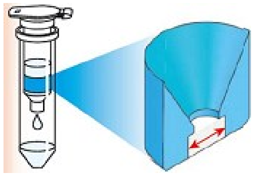
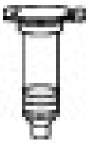
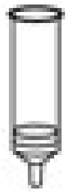
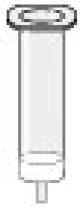
RNA 萃取

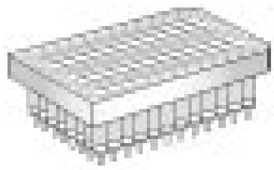
Product	Preps	Ca#
RNA from cells and tissue		
NucleoSpin® RNA Plus	10 / 50 / 250	740984.10 / .50 / .250
NucleoSpin® RNA	10 / 50 / 250	740955.10 / .50 / .250
NucleoSpin® RNA XS	10 / 50 / 250	740902.10 / .50 / .250
NucleoSpin® RNA Midi	20	740962.20
NucleoSpin® 8 RNA	12 x 8 / 60 x 8	740698 / .5
NucleoSpin® 96 RNA	2 x 96 / 4 x 96 / 24 x 96	740709. 2 / .4 / .24
NucleoMag® 96 RNA	1 x 96 / 4 x 96	744350.1 / .4
MicroRNA (miRNA)		
NucleoSpin® miRNA	10 / 50 / 250	740971.10 / .50 / .250
NucleoSpin® miRNA Plasma	10 / 50 / 250	740981.10 / .50 / .250
Exosome isolation		
Exosome Precipitation Solution (Serum/Plasma)	2 mL / 12 mL / 60 mL	740398.2 / .12 / .60
Exosome Precipitation Solution (Urine)	12 mL / 50 mL / 250 mL	740399.12 / .50 / .250
RNA, DNA, and protein		
NucleoSpin® TriPrep	10 / 50 / 250	740966.10 / .50 / .250
NucleoSpin® RNA/Protein	10 / 50 / 250	740933.10 / .50 / .250
NucleoSpin® RNA/DNA Buffer Set	100	740944
RNA from blood		
NucleoSpin® RNA Blood	10 / 50 / 250	740200.10 / .50
NucleoSpin® RNA Blood Midi	20	740210.20
NucleoSpin® 8 RNA Blood	12 x 8 / 60 x 8	740220 / .5
NucleoSpin® 96 RNA Blood	2 x 96 / 4 x 96	740225.2 / .4
Small and large RNA from FFPE samples		
NucleoSpin® totalRNA FFPE	10 / 50 / 250	740982.10 / .50 / .250
NucleoSpin® totalRNA FFPE XS	10 / 50 / 250	740969.10 / .50 / .250
RNA from plant		
NucleoSpin® RNA Plant	10 / 50 / 250	740949.10 / .50 / .250
DNA/ RNA **Large quantity** isolation		
Nucleobond RNA/DNA 80	25	740650
Nucleobond RNA/DNA 400	10	740651
RNA by Phenol-based extraction		
NucleoZOL	200 mL	740404.200
NucleoSpin RNA Set for NucleoZOL	50	740406.50

下頁為其他詳細應用及介紹

NucleoSpin RNA (適用一般樣本萃取)

依據起始樣本量來作產品選擇:



740902
一顆細胞就能抽
MN 專利
XS column
回溶體積只需 5-20 ul

740955
創世紀主力產品，滿足您量與價的需要

740962
滿足大量樣本RNA 萃取

740650
從大量樣本中萃取RNA 與DNA

740698 740709
無論是八連排或是96孔盤，都可滿足您操作高通量 RNA 的需求。

特殊樣本來源或特殊RNA需求:

樣本來源或所需產物	**品名**	**產品編號**
血液樣本	NucleoSpin RNA Blood	740200
植物樣本	NucleoSpin RNA Plant	740949
石蠟包埋樣本	NucleoSpin totalRNA FFPE, XS	740982, 740969
病毒樣本	NucleoSpin Virus	740983
純化mRNA	NucleoTrap mRNA	740655
純化microRNA (<200 nt)	NucleoSpin miRNA	740971
血漿中的small RNA	NucleoSpin Plasma	740981
同時抽取RNA 及蛋白質	NucleoSpin RNA/Protein	740933
同時要RNA/DNA/Protein	NucleoSpine TriPrep	740966
高通量血液樣本	NucleoSpin 8 RNA Blood	740220 (8連排); 740225 (96孔盤)

以上皆可搭配 NucleoSpin RNA/DNA Buffer Set # 740944來使用，可額外萃取樣本的DNA

MN管柱萃取RNA讓您用了就不想換的原因:

1. 無毒(phenol-chloroform fee)、快速
2. 純度高: A260/280=1.9-2.1
3. **RNA 完整度佳: RIN >9, 方便您後續如NGS的實驗**
4. 操作快速，產量高
5. 可直接on-column DNA digestion，有效移除DNA的殘留
6. 內含高濃度 rDNase ，不需額外購買
7. MN 百年經驗，提供詳細且多樣的方案以解決您實驗上遭遇的困難

當您的樣品有下列特性，特別難以萃取RNA:

脂質特別多，如腦或脂肪組織；多醣類特別多，如蘭花葉片；結構特別，如緻密骨；成分複雜，如腐植土壤...

=> 一般細胞株、植物葉片(蘭花、芥藍菜…)、酵母菌、真菌(菇類)、全血、肝臟、腎臟、肌肉、腦、骨骼…以上皆為台灣使用者成功萃取經驗。

請考慮使用 NucleoZOL phenol-based extraction (740404.200)

無須氯仿、無須分相、容易操作、省時(1小時內)

液態樣品也可使用，無須另外購買其他產品

從樣品中得到高 RNA 產量及純度 (A260/280: 1.8-2.1, RIN >9)

可分別萃取 small RNA (10-200 nt) 和 large RNA (>200 nt)

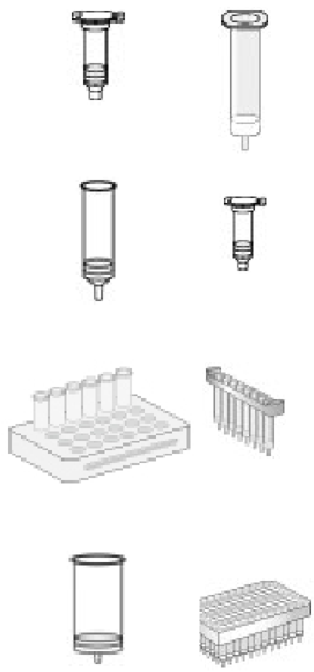
Technology	One-phase extraction			
Sample material/mL reagent (scalable)	< 1 x 10^7 cultured cells, bacteria, and yeast, < 100 mg human / animal / plant tissue, < 0.4 mL (viral) fluids			
Fragment size	Small RNA = 10–200 nt, large RNA > 200 nt			
Typical yield	Total RNA: Liver: Kidney, spleen: Muscle, brain, lung: Cultured cells:	 6–8 µg/mg tissue 3–4 µg/mg tissue 0.5–1.5 µg/mg tissue 4–10 µg/10^6 cells	Large RNA: Liver: Kidney, spleen: Muscle, brain, lung: Cultured cells:	 5–7 µg/mg tissue 3–4 µg/mg tissue 0.5–1.5 µg/mg tissue 3–8 µg/10^6 cells
A_{260}/A_{280}	1.8–2.1			
Typical RIN	> 9			
Elution volume	Flexible			
Preparation time	< 1 h			
Can be combined with	NucleoSpin® RNA kits for, e.g., post clean-up			

可搭配 NucleoSpin RNA Set for NucleoZOL（740406）進行管柱純化

Genomic DNA 萃取

依照不同檢體種類特性各別開發:

樣本來源或所需產物	品名	產品編號
血液及體液樣品 **(直接用全血)**	NucleoSpin Blood	740951
血液或體液中循環裸露的微量DNA	NucleoSpin Plasma XS	740900
一般組織或細胞	NucleoSpin Tissue	740952
石蠟包埋樣本	NucleoSpin DNA FFPE XS	740980
微量，法醫等級需求	NucleoSpin DNA Trace	740942
植物、真菌樣本	NucleoSpin Plant II	740770
針對不同細菌微生物	NucleoSpin Microbial DNA	740235
土壤樣本	NucleoSpin Soil	740780
食物、飼料樣本	NucleoSpin	740945



您的核酸樣本增進純度...

DNA clean up:

Name	Ca#
NucleoSpin Gel and PCR Clean-up	740609
NucleoSpin gDNA Clean-up	740230

RNA clean up:

Name	Ca#
NucleoSpin RNA Clean-up	740948

可取代AMPure

針對NGS library製備時，進行純化特定尺寸片段:

Name	Ca#
NucleoMag NGS Clean-up and Size Select	744970

去除定序染劑(BigDye):

Name	Ca#
NucleoSEQ	740523

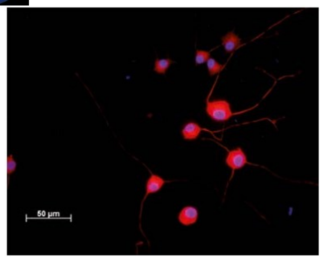
質體DNA萃取

不用再花半個多小時離心沉澱DNA，讓你直接用針筒就可以去鹽、回溶。
NucleoBond Finalizer, 740519

A. 依據不同產量設計，從mini (20ug) 到 Giga (10mg)
B. 操作時間縮短，提高DNA品質: NucleoBond Xtra, NucleoBond Xtra **Plus**
C. 大尺寸質體抽取: NucleoBond BAC 100, NucleoBond Xtra BAC
D. 高純度、超低內毒素質體: NucleoBond EF, Xtra EF
E. 快速去除鹽類/沉澱plasmid: NucleoBond Finalizer

如果你已經用過PC 系列，來試試 Xtra 系列的貼心改良吧:

專利紙筒過濾質體以外的物質，讓您免去離心的步驟



經由MN產品純化後的質體DNA，連挑剔的神經細胞都沒話說!

改良版的核酸吸附材質:
提高最終產量、減少吸附的厚度、加快溶液的流速進而縮短操作時間

產品名稱	編號	包裝
NucleoBond Xtra Midi	740410.50	50
NucleoBond Xtra Maxi	740414.50	50
NucleoBond Xtra Midi Plus	740412.50	50
NucleoBond Xtra Maxi Plus	740416.50	50
NucleoBond Xtra Midi EF	740420.50	50
NucleoBond Xtra Maxi EF	740424.50	50
NucleoBond Xtra Midi EF Plus	740422.50	50
NucleoBond Xtra Maxi EF Plus	740426.50	50

Solution 2 是鹼，solution 3 是酸。中和不完全時會大大影響質體萃取最後的產量及純度。**Xtra系列加入酸鹼指示劑**，讓您輕易的解決這個問題。

簡單 / 快速 / 不需超高速離心 即可完成外泌體的 分離

MN NucleoBond RNA/DNA Kits

核心技術 Anion Exchange Chromatography

- ✓ 提供Ultra-pure的核酸分離
- ✓ 可分別分離RNA / DNA
- ✓ RNase-Free製程確保核酸的完整性

Name	Capacity	Cat. No.
NucleoBond RNA/DNA 80	80 µg	740650
NucleoBond RNA/DNA 400	400µg	740651

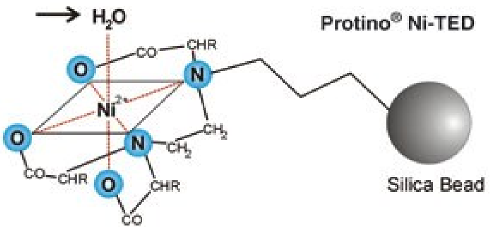
Sample lysis → Loading lysate 到column → Wash column → Elute DNA or RNA → 分析RNA / DNA 質量

高純度 / 大量 / DNA&RNA 管柱分離純化技術

蛋白質純化相關: 重組蛋白純化最主要的兩種方式: His- and GST- tag

His-tag protein:

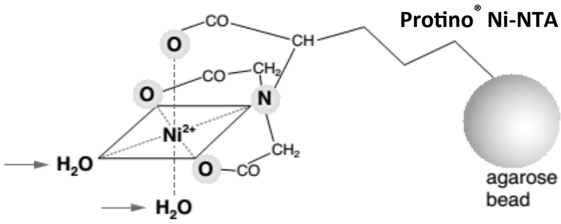
Name	Ca#
Protino® Ni-NTA Agarose	745400
Protino® Ni-TED Resin	745200
Protino® Ni-IDA Resin	745210



根據蛋白質可以結合的位置數(→H2O site)來選擇:

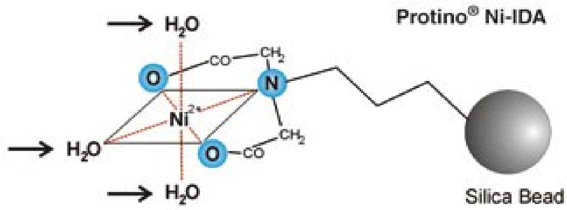
產量 ←——→ 純度

IDA NTA TED



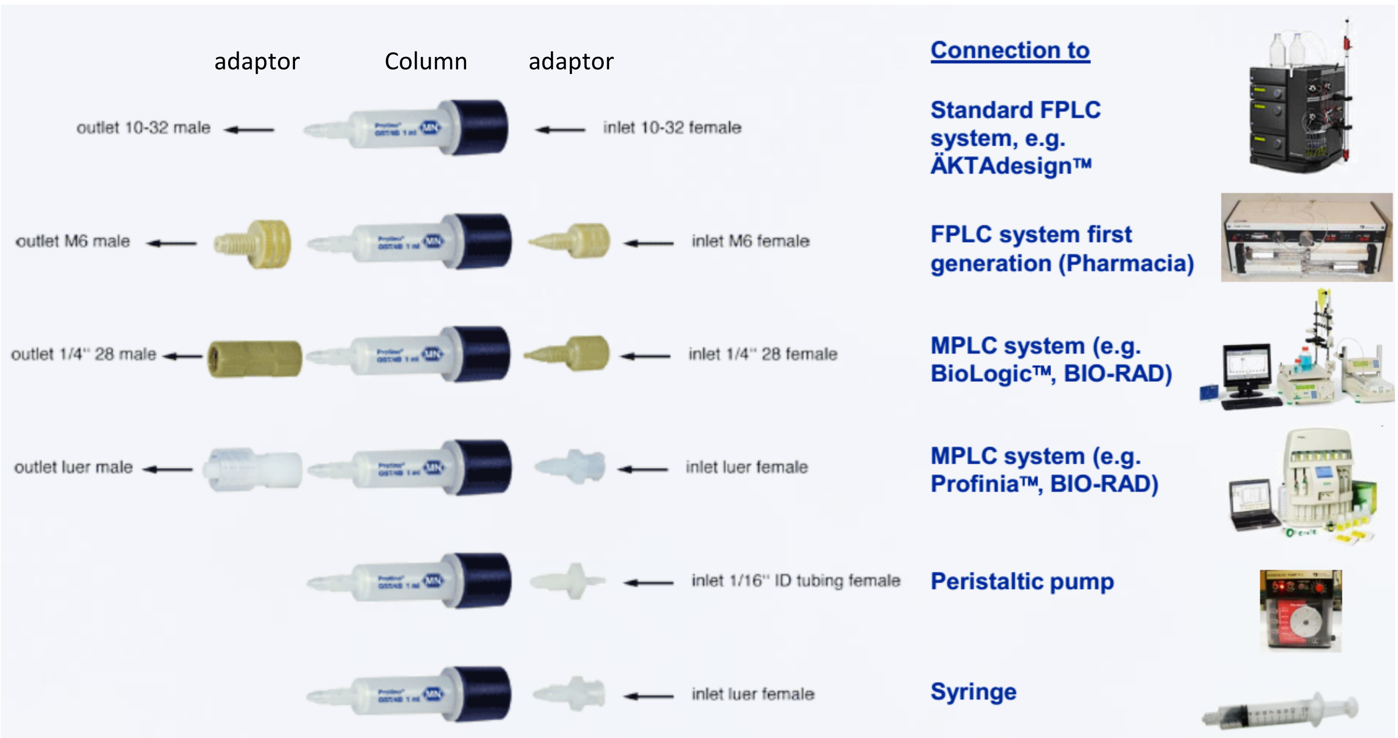
GST-tag protein:

Name	Ca#
Protino® Glutathione Agarose 4B	745500



GST 易與 chaperonins 作結合而影響純度，操作手冊中提供一系列解決方案供您參考

MN 提供裝填好的管柱以供您利用FPLC進行大量純化，並提供不同的轉接頭給不同機型安裝



Protino® Ni-NTA	Capacity	Volume	Ca#
FPLC™ columns	50 mg	1 mL	745410
FPLC™ columns	250 mg	5 mL	745415

Protino® GST/4B	Capacity	Volume	Ca#
FPLC™ columns	10 mg	1 mL	745510
FPLC™ columns	50 mg	5 mL	745515

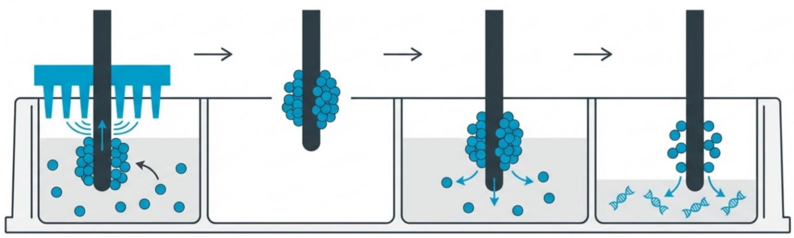
MagnetaPure 32+ 自動化 DNA/RNA純化系統

高效產能
每次運行可同時處理 1 至 16 個樣本。

開放系統
透過 Android App 輕鬆自訂實驗程序（Protocol），或直接下載原廠驗證方案。

德國品質
專為 MACHEREY-NAGEL NucleoMag® 系列試劑優化，確保高純度產出。

1. 結合 (Binding) Noto Sans TC Regular
2. 磁珠轉移 (Transfer) Noto Sans TC Regular
3. 清洗 (Washing) Noto Sans TC Regular
4. 沖提 (Elution) Noto Sans TC Regular



搭配 96 孔深孔盤 (Deep-well plates) 與 8 孔磁套 (Tip combs) 使用。

NucleoMag® Kits

DNA Purification

- **NucleoMag Plasmid** MN-744750
- **NucleoMag HMW** MN-744160
- **NucleoMag FFPE** MN-744320
- **NucleoMag Bacteria** MN-744310
- **NucleoMag Plant** MN-744400
- **NucleoMag cDNA** MN-744550
- **NucleoMag tissue** MN-744300
- **NucleoMag Food** MN-744945
- **NucleoMag Micro-biome** MN-744310
- **NucleoMag Blood 200 µL** MN-744501

Prefilled Plate

- **NucleoMag tissue Prefilled plate**
- **NucleoMag Blood 200 µL** MN-744510
- **NucleoMag VET** MN-744209
- **NucleoMag Patho-gen** MN-744211

RNA

- **NucleoMag RNA Pro** MN-744360
- **NucleoMag RNA Blood** MN-744352

DNA / RNA

- **NucleoMag DNA/RNA Water** MN-744220
- **NucleoMag DNA/RNA Pro** MN-744370
- **NucleoMag Virus** MN-744800
- **NucleoMag VET** MN-744200
- **NucleoMag Pathogen** MN-744210

Clean-Up & Applications

- **NucleoMag NGS clean up / size selection** MN-744970

siRNA: GenePharma

無已知有效序列資訊時:

1. 提供完整目標基因資料，如NCBI Gene ID ，由**GenePharma**專業團隊評估、設計。
2. 可只單純購買設計好的siRNA，或保證套組。套組包含: a. 三對目標基因不同區段的siRNA b. Negative Control c. 螢光標定Negative control d. Positive control. 可以針對您的實驗逐步找到最佳條件。當效果不佳時(需有qPCR數據)，提供完整對照組資料，原廠免費重新設計直至達到最佳效果。

如直接提供有效序列資訊:

1. 選擇所需O.D. 量
2. 選擇是否需要化學修飾，如2` Fluro or 2` -OMe label
3. 選擇是否需要螢光修飾，如FAM or Cy3

GenePharma

http://www.genepharma.cn/index.asp

超值組合推薦 (效率保證，無效，免費重合*)

(在 70-80%的轉染效率下，保證至少有一對在 **mRNA** level 上的抑制效率 ≧ 70%)

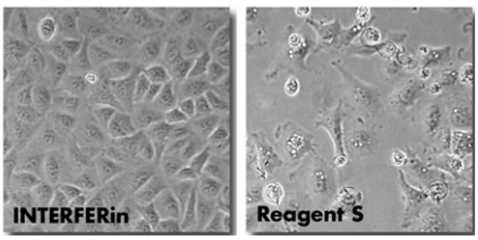
超值組合內容物包含	品名/編號	說明
Target gene siRNA(3/4 對) Negative control siRNA FAM labeled Negative control siRNA Positive control siRNA (control 規格都是 1 OD)	普通 siRNA 經濟型套餐 (#A10001)	有 3 對 Target gene siRNA(1 x 2 OD)
	普通 siRNA 實惠型套餐 (#A10002)	有 4 對 Target gene siRNA(1 x 4 OD)
	化學修飾 siRNA 經濟型套餐 (#A10003)	有 3 對 Target gene siRNA(1 x 2 OD)
	化學修飾 siRNA 實惠型套餐 (#A10004)	有 4 對 Target gene siRNA(1 x 4 OD)
	螢光標記 siRNA 經濟型套餐 (#A10005)	有 3 對 Target gene siRNA(1 x 2 OD)
	螢光標記 siRNA 實惠型套餐 (#A10006)	有 4 對 Target gene siRNA(1 x 4 OD)

* 重新設計需提供qPCR結果 以及轉染效率數據 以解決您實驗上最根本的問題

Polyplus transfection

您知道siRNA 的transfection 不同於一般的plasmid DNA嗎? 有想過抑制效率不佳其實不是siRNA的錯嗎?

Polyplus INTERFERin 適用各式小片段RNA的轉染，在一般細胞株、初代培養細胞及懸浮培養細胞中皆有相當好的效率，且無細胞毒性。



產品名稱	包裝	產品編號
INTERFERin	0.1 ml	409-01
	1 ml	409-10
	1 ml *5	409-50

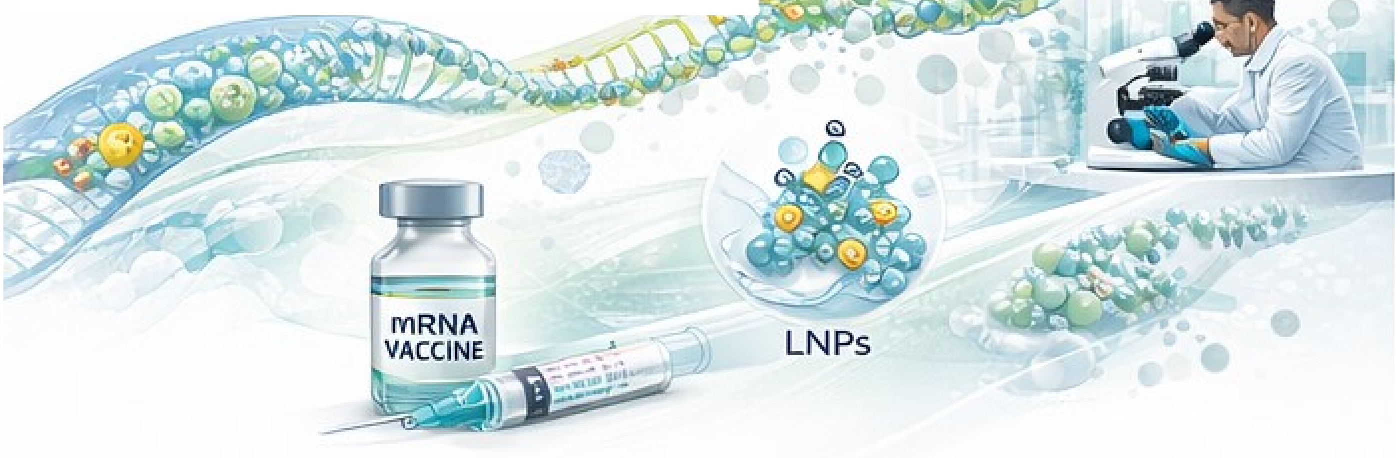
CELLSCRIPT™

RNA for Translation in Cells

INCOGNITO™ Modified mRNA In Vitro Transcription Kits

高產量 & Therapeutic grad

mRNA生產試劑



●**N1meΨ** (1-methylpseudouridine)/ Ψ /

5mC (5-methylcytidine) 技術主軸

●高產量、低dsRNA 副產物，高純度

●適用於vaccine 開發/ GMP / academia

1 ug DNA template 生成 100 ug RNA

INCOGNITO™ Modified nucleoside transcription

INCOGNITO™ T7 **5mC- & Ψ-RNA** Transcription Kit (C-ICTMY110510)

INCOGNITO™ T7 **ARCA 5mC- & Ψ-RNA** Transcription Kit (C-ICTAMY110510)

INCOGNITO™ T7 mScript™ Complete **N1meΨ**-mRNA (IMCMY250225)

INCOGNITO™ T7 mScript™ Complete **Ψ-mRNA** kit (IMCY250125)

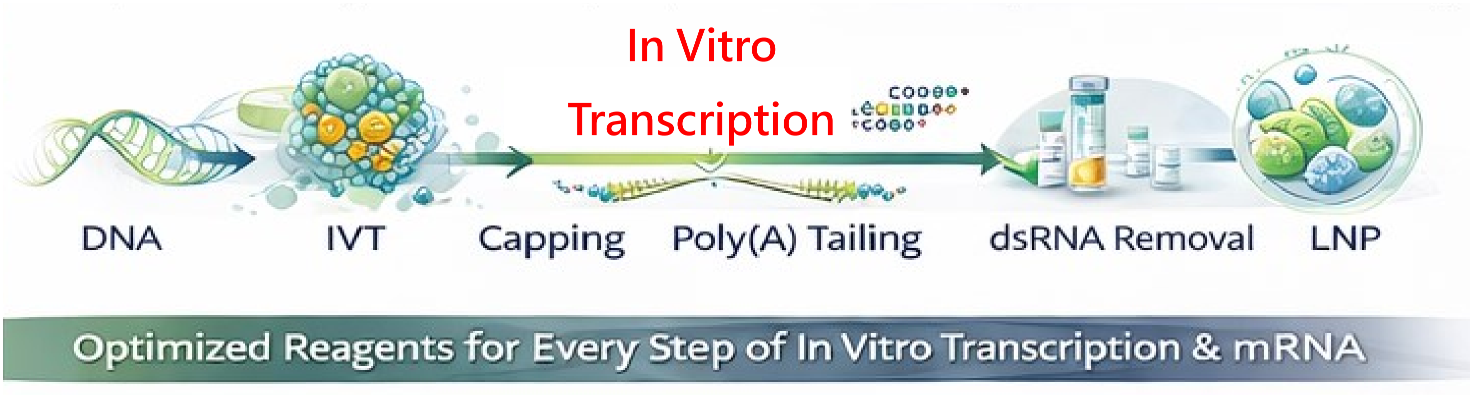
INCOGNITO™ T7 mScript™ **N1meΨ**-mRNA kit (IMMY240625)

INCOGNITO™ T7 mScript™ **Ψ-mRNA** kit (IMY240525)

INCOGNITO™ T7 **Ψ-RNA** Transcription Kit (C-ICTY110510)

INCOGNITO™ T7-FlashScribe™ **N1meΨ-RNA** Transcription Kit (IFMY240625)

INCOGNITO™ T7-FlashScribe™ **Ψ-RNA** Transcription Kit (IFY240525)



mScript™ Complete mRNA synthesis

IVT

INCOGNITO™ T7 mScript™ Complete Ψ-mRNA kit (IMCY250125)

INCOGNITO™ T7 mScript™ Complete N1meΨ-mRNA kit (IMCMY250225)

T7 mScript™ Complete Standard mRNA kit (MSCC250225)

Post-transcriptional 5′ RNA capping

Capping

ScriptCap™ 2′-O-Methyltransferase Kit (C-SCMT0625)

ScriptCap™ Cap 1 Capping System (C-SCCS1710 / C-SCCS2250)

ScriptCap™ m^7G Capping System (C-SCCE0625)

Co-transcriptional 5′ RNA capping

MessageMAX™ T7 ARCA-Capped Message Transcription Kit V2 (C-MMA60710)

INCOGNITO™ T7 ARCA 5mC- & Ψ-RNA Transcription Kit (C-ICTAMY110510)

Post-transcriptional 3′ poly(A) tailing

Tailing

A-Plus™ Poly(A) Polymerase Tailing Kit (C-PAP5104H)

mRNA quality control

RNA QC

EZ-QC™ mRNA Cap 1 Efficiency Assay Kit (ONE240910)

EZ-QC™ mRNA Capping Efficiency Assay Kit (ACE240910)

EZ-QC™ XBG mRNA Capping Efficiency Assay Kit (XBG250310)

EZ-QC™ mRNA Poly(A) Tail Length Assay Kit (PAT240910)

dsRNA remove

Cap-Clip™ Acid Pyrophosphatase

C-CC15011H (100 unit)

5′ RNA de-capping

Min-Immune™ Gold dsRNA Removal

MGDR250125 (25 rxn)

DNA extraction

DNA EasyXtract™ Solution

EXD26015 (5 ML)

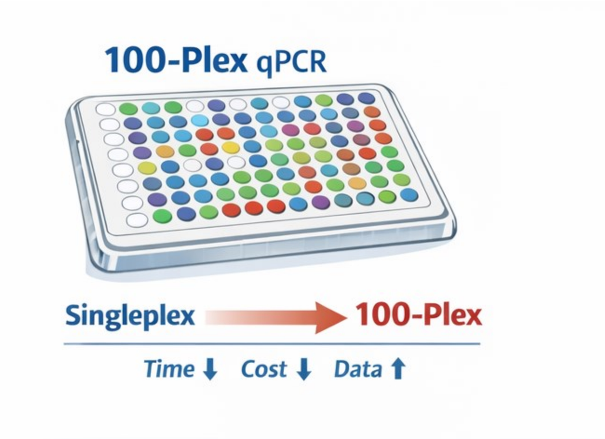
EXD260150 (50 ML)

YouSeq[TW]

從 Singleplex 到 100-plex 一套平台

高效率 · 低成本 · 彈性靈活

一個sample 能檢測多重基因
省時間 / 省成本 / 省錢!!!



一次測多重target

客製化panel設計

免費評估 *免費設計* *歡迎洽詢*

YouSeq™	Other Brands
✓ Supports 100-Plex	Limited to 2-4 Plex
✓ Custom Assay Solutions	Limited Offering
✓ ISO13485 Certified	Not ISO Certified
✓ Lowest Cost Per Test	Higher Testing Cost
✓ Lowest Cost Per Test	Higher Testing Cost

Multiplex

項　　目	YouSeq™
Multiplex 支援	Single / 2 / 3 / 4 / 12 / 100 –plex
Target 數量	500+ 現成qPCR assays
Panel最大容量	100 targets / kit
包裝規格	100 rxns
試劑形式	Lyophilised (常溫) or Frozen (冷凍)
內含MasterMix	YES (內含標準品)
Primer / Probe設計	近2年內全新設計

500+ 現貨qPCR assays

Lyophilised　　Frozen

Primerdesign

通過ISO 13485, 提供以Primer/probe為主的qPCR 試劑

一組設計優良的primer決定您qPCR結果的可信度。

還在試著自己設計、測試找到最佳位置嗎?

Primerdesign 專業團隊提供:

1. 超過四百種人類相關疾病qPCR檢測試劑。從最常見的流感，到最罕見的伊波拉；從已滅絕的天花，到最新的MERS-CoV。
2. 動物、寵物相關疾病檢測，從挪威養殖的鮭魚病毒到家裡寵物的寄生蟲。
3. 植物物種檢定，從荷蘭的鬱金香到台灣的蘭花
4. 想知道您手上的漢堡排裡面有幾種肉的來源嗎? 一系列食品安全檢驗相關偵測。
5. 基於如此豐富的經驗，只要提出需求，Primerdesign 給您經過檢測成功的客製化產品

Veterinary & Agriculture		
產品編號	偵測目標	樣品來源
Path-A.fumigatus	Aspergillus fumigatus	DNA
Path-FCoV	Feline coronavirus	RNA
Path-FIV	Feline Immunodeficiency Virus	RNA
Path-FMDV	Foot and Mouth Disease Virus	RNA
Path-PCV1	Porcine circovirus 1	DNA
Path-BHV-1	Bovine herpesvirus 1	DNA
Path-BTV	Bluetongue Virus	RNA
Path-BVDV	Bovine Viral Diarrhoea Virus	RNA
Path-BFDV	Beak and Feather Disease Virus	DNA
Path-EDS	Avian adenovirus EDS76 Egg Drop Syndrome	DNA
Path-IBV	Avian Infectious Bronchitis Virus (IBV)	RNA
Path-NDV	Newcastle disease virus	RNA
Path-Salmonella_invA	all pathogenic Salmonella species	DNA
Path-B.anthracis	Bacillus anthracis	DNA
Path-FpV	Fowlpox Virus	DNA
Path-H5N1	Bird flu H5N1	RNA
Path-M.gallisepticum	Mycoplasma gallisepticum	DNA
Path-P.multocida	Pasteurella multocida	DNA
Path-RVFV	Rift Valley Fever Virus	RNA
Path-Leptospira	Leptospirosis	DNA
Path-PRRSV	Porcine Reproductive and Respiratory Syndrome Virus	RNA

Food & Water Testing		
產品編號	偵測目標	樣品來源
Path-GMO-FMV	GMO FMV Screening kit	DNA
Path-GMO-Maize-p35S&tNOS	GMO Maize 35S and NOS Screening kit	DNA
Path-GMO-Maize-Bt176	GMO Maize Bt176 Quantification kit	DNA
Path-GMO-Maize-MON810	GMO Maize MON810 Quantification kit	DNA
Path-GMO-Maize-NK603	GMO Maize NK603 Quantification kit	DNA

Human Pathogens		
產品編號	偵測目標	樣品來源
Path-FluA-M2	Human Influenza type A M2	RNA
Path-FluB	Human Influenza type B	RNA
Path-H1N1	H1N1 influenza	RNA
Path-H7N9	H7N9 Influenza	RNA
Path-SARS-CoV	SARS coronavirus	RNA
Path-TB	Mycobacterium Tuberculosis	DNA
Path-C.albicans	Candida albicans	DNA
Path-Chlamydia	Chlamydiaceae (all species)	DNA
Path-HAV	Hepatitis A Virus	RNA
Path-HBV	Hepatitis B Virus	DNA
Path-HIV1	Human Immunodeficiency Virus type 1	RNA
Path-HIV2	Human Immunodeficiency Virus type 2	RNA
Path-HPV11	Human Papillomavirus 11	DNA
Path-HPV18	Human Papillomavirus 18	DNA
Path-N.gonorrhoeae	Neisseria gonorrhoeae	DNA
Path-T.pallidum	Treponema pallidum	DNA
Path-T.vaginalis	Trichomonas vaginalis	DNA
Path-EBV	Epstein Barr Virus (HHV4)	DNA
Path-HSV1	Herpes simplex type 1 (HHV1)	DNA
Path-HSV1&2	Herpes simplex type 1 and 2 (HHV1&2)	DNA

標準版本內附陽性/陰性 (positive/negative) 對照組

進階版本再給您各項對照，如萃取操作對照組

創世紀品牌 Bio-Genesis Inc.

Bio-Genesis Technologies

如起始樣本為DNA，且想利用SYBR Green 來標定:

試試我們的IQ^2 SYBR Green Fast qPCR Master Mix

1. 使用HotStart Taq, 讓您的實驗數據更準確
2. 適用於Standard 及 Fast cycling

產品名稱	適用機型	產品型號
IQ^2 Fast qPCR System — No ROX	PCRmax: Eco™ Bio-Rad: Opticon™, Opticon2™, MiniOpticon, Chromo4™, CFX96, CFX384 Thermo: PikoReal Cepheid: SmartCycler™ Qiagen (Corbett): Roto-Gene™ 3000 & 6000, Roto-Gene™ Q Eppendorf: MastercyclerR ep realplex Roche: LightCyclerR 480, LightCyclerR Nano Techne: QuanticaR Takara: Thermal Cycler DiceR (TP800)	DBU-006-5mL
IQ^2 Fast qPCR System — Low ROX	ABI: 7500, 7500Fast, ViiA 7 Agilent(Stratagene): MX4000P, MX3000P, MX3005P	DBU-007-5mL
IQ^2 Fast qPCR System — High ROX	ABI: 7000, 7300, 7700, 7900, 7900HT, StepOne, StepOne plus	DBU-008-5mL

Q-Amp 2X HotStart PCR Master Mix

☑ **專一性高**

☑ **靈敏度高**

☑ **降低primer dimer的形成**

☑ **內含loading dye，可直接跑膠**

產品名稱	編號	包裝
Q-Amp 2X HotStart PCR Master Mix	BB-GL-HSMM-001	125 rxn

Q-Amp 2X ScreeningFire Taq Master Mix

☑ 適於大量screening (clony PCR 、 Genotyping)

☑ 內含loading dye，直接跑膠

☑ 最經濟實惠

產品名稱	編號	包裝
Q-Amp 2X ScreeningFire Taq Master Mix	BB-GL-SFMM-001	125 rxn

受夠了在轉RT時要混合DTT, primer, buffer？
Magic RT幫您解決這種麻煩~

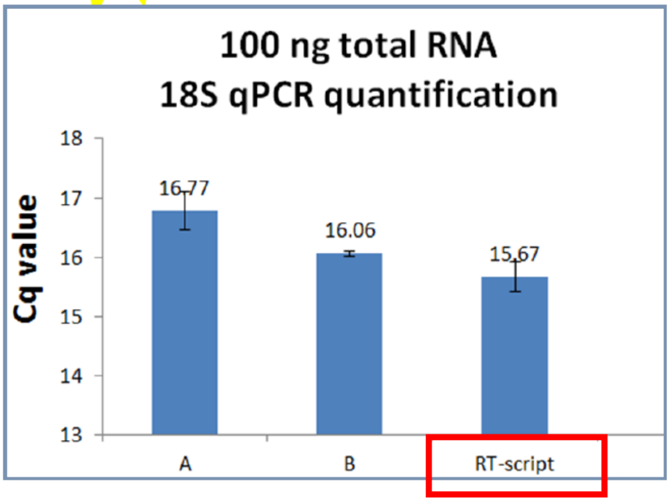
Bio-Genesis Technologies

Magic RT cDNA synthesis kit (BB-DBU-RT-100)

- 操作方便，只需加水、酵素、RNA 即可進行RT
- Master Mix 包含oligo-dT和Random Hexamer，可有效的進行cDNA的合成。
- 內含RNase inhibitor

Table. 1 ug Zebra fish total RNA進行cDNA合成後，real time PCR的客廠牌比較表。

	Magic RT	T 牌	B 牌
Input	1 ug	1 ug	1 ug
Time	30-60 min	37 min	30 min
DNase treatment	-	+	-
簡易性	較簡單	需配製 DNase	較簡單
RT 效率	+++	++	+
Cq 值	15.44	15.96	16.03



IQ² MMLV RT-Script

Cat No. DBU-RT-001 Size: 10000U

★高敏感度 ★高產量★高效率

Comparable to Episcript！

Kit content ： RT enzyme is 50 ul

10x buffer is 200 ul (DTT included)

比 較 表	IQ² MMLV RT-script	Magic RT
Cat. No.	BB-DBU-RT-001	BB-DBU-RT-100
Format	50 ul	50 ul
DTT	included	included
Reaction	100 rxn	100 rxn
Usage	0.5 ul	0.5 ul
Reaction time	60 min	30 min
Input (minimum)	50 pg	50 pg
Temp	37-42℃	37-42℃
cDNA Accessory kit	+(可搭配)	included

Quick InstantStain™ solution

15-Minute Single-Step Protein Staining

Faster than traditional **Coomassie** methods

快速染色 蛋白band會在數分鐘至1小時旬完全染色

高靈敏度 蛋白偵測範圍由5—25 ng

準確定量 低背景值，並具有較廣的可定量線性範圍。

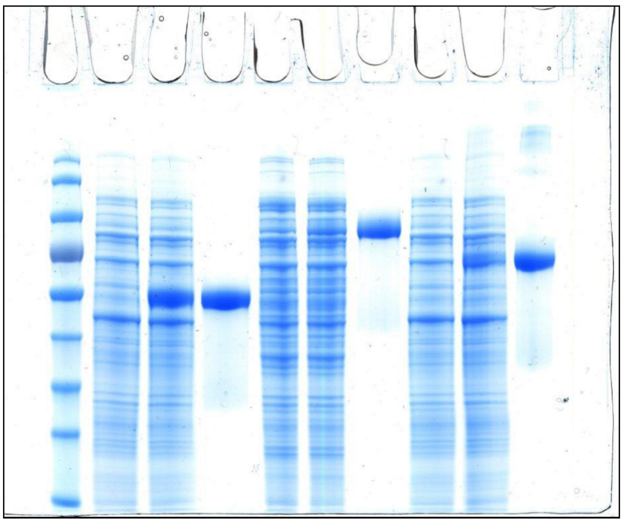
可重復使用 同一染色液可重復使用3次不等

相容質譜分析 容易退染，適合質譜分析實驗。

長效保存 4-25℃ 可保存至少18個月

Simple 1-Step Workflow

- Pour stain
- Immerse gel
- Shake 15 min – 1 h
- Rinse with **DI water**



Name	Ca#
Quick InstantStain solution, 1 L	BB-STAIN -1L

昆蟲細胞表現系統

1. OXFORD expression technologies flashBAC 系統，利用剔除昆蟲病毒ORF1629 的方式，讓只有同源性重組成功的病毒可以成功表現，大大縮短前置篩選的時間。
2. 剔除chiA 基因，提升分泌出所需蛋白的效率。
3. 搭配不同的transfer vector，找出最適合蛋白質本身特性的組合，如:

   A. early (AcMNPV p6.9) or late (AcMNPV polydedron) promoter 的選擇
   B. 同時表現兩組蛋白質，利用polh (late) 與p10 (very late) promoter 來大量表現
   C. 甚至於提供給哺乳類細胞使用的CMV promoter.

	Flash BAC	Flash BAC Gold	Flash BAC Ultra
特色	● 蛋白質產量高 ● 增加 secreted protein 產量	● 蛋白質產量更高 ● 針對不易表達的蛋白質 ● 提高 secreted protein 及 membrane protein 產量	● 蛋白質產量最高 ● 提高 secreted protein 產量 ● 細胞穩定度佳 ● 蛋白質品質佳 ● 減少 proteolysis 和 degradation
貨號/包裝	100150/ 5rxn 100151/ 24rxn 100152/ 96rxn	100200/ 3rxn; 100201/ 5rxn 100202/ 24rxn; 100203/ 96rxn	100300/ 5rxn 100301/ 24rxn 100302/ 96rxn

Flash BAC針對特殊需求的**進階版本**

OXFORD 也可幫您評估、設計、客製Virus-Like Particle (**VLP**)的各種生產細節

DNA sample NGS library prep kit

Sonication

Product	Cat. No.
Watchmaker DNA Library Prep Kit (PCR-free)	7K0101-024 (24 rxn) 7K0101-096(96 rxn)
Watchmaker DNA Library Prep Kit (w/o primers)	7K0103-024 (24 rxn) 7K0103-096(96 rxn)
Watchmaker DNA Library Prep Kit	7K0102-024 (24 rxn) 7K0102-096(96 rxn)

DNA fragmentation Enzyme

Product	Cat. No.
Watchmaker DNA Library Prep Kit with Fragmentation (PCR-free)	7K0013-024 (24 rxn) 7K0013-096(96 rxn)
Watchmaker DNA Library Prep Kit with Fragmentation (w/o primers)	7K0022-024 (24 rxn) 7K0022-096(96 rxn)
Watchmaker DNA Library Prep Kit with Fragmentation	7K0102-024 (24 rxn) 7K0102-096(96 rxn)

RNA / mRNA sample NGS library prep kit

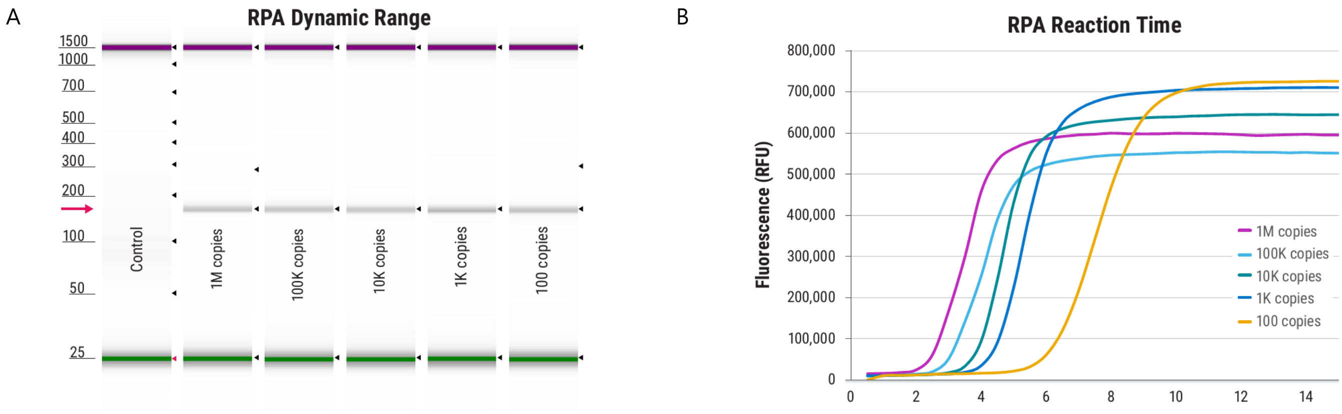
Polaris rRNA depletion / mRNA capture

Product	Cat. No.	Product	Cat. No.
Watchmaker RNA Library Prep Kit with Polaris Depletion	7BK0002-024 (24 rxn) 7BK0002-096(96 rxn)	Watchmaker **mRNA** Library Prep Kit	7BK0001-024 (24 rxn) 7BK0001-096(96 rxn)
Watchmaker RNA library Prep kit	7K0078-024 (24 rxn) 7K0078-096(96 rxn)	Watchmaker RNA library Prep kit	7K0078-024 (24 rxn) 7K0078-096(96 rxn)
Polaris Depletion Kit-rRNA /Globin (HMR)	7K0077-024 (24 rxn) 7K0077-096(96 rxn)	Watchmaker mRNA Capture kit	7K0105-024 (24 rxn) 7K0105-096(96 rxn)

Recombinase Polymeraes Amplification (RPA)

Table 1. Advantages of RPA over other isothermal methods[2]

Isothermal Method	Target	Primers Required per Target	Initial Heating	Incubation Temp (°C)	Amplification Time (Min)	Limit of Detection (Copies)	Multiplexing
RPA	DNA/RNA	2	No	37 – 42	20 – 40	1	Yes
LAMP	DNA/RNA	4 – 6	Yes	60 – 65	60	5	Yes
NASBA	RNA	2	No	41	60 – 180	1	Yes
SDA	DNA	4	Yes	30 – 55	60 – 120	10	Yes
RCA	DNA/RNA	1	Yes	30 – 65	60 – 240	10	No
HDA	DNA	2	No	65	30 – 120	1	Yes



廣泛的template濃度範圍內皆可達到快速擴增。含有不同copy number之 168 bp 目標序列的反應，皆進行 30 分鐘反應時間。**(A)** 在 100 至 1,000,000（1M）copy number內的所有反應，皆觀察到穩定且強烈的最終訊號。**(B)** 即使反應中僅含有低至 100 個目標拷貝數，達到螢光峰值的時間仍穩定小於 10 分鐘。

RPA ENZYME SPECIFICATIONS

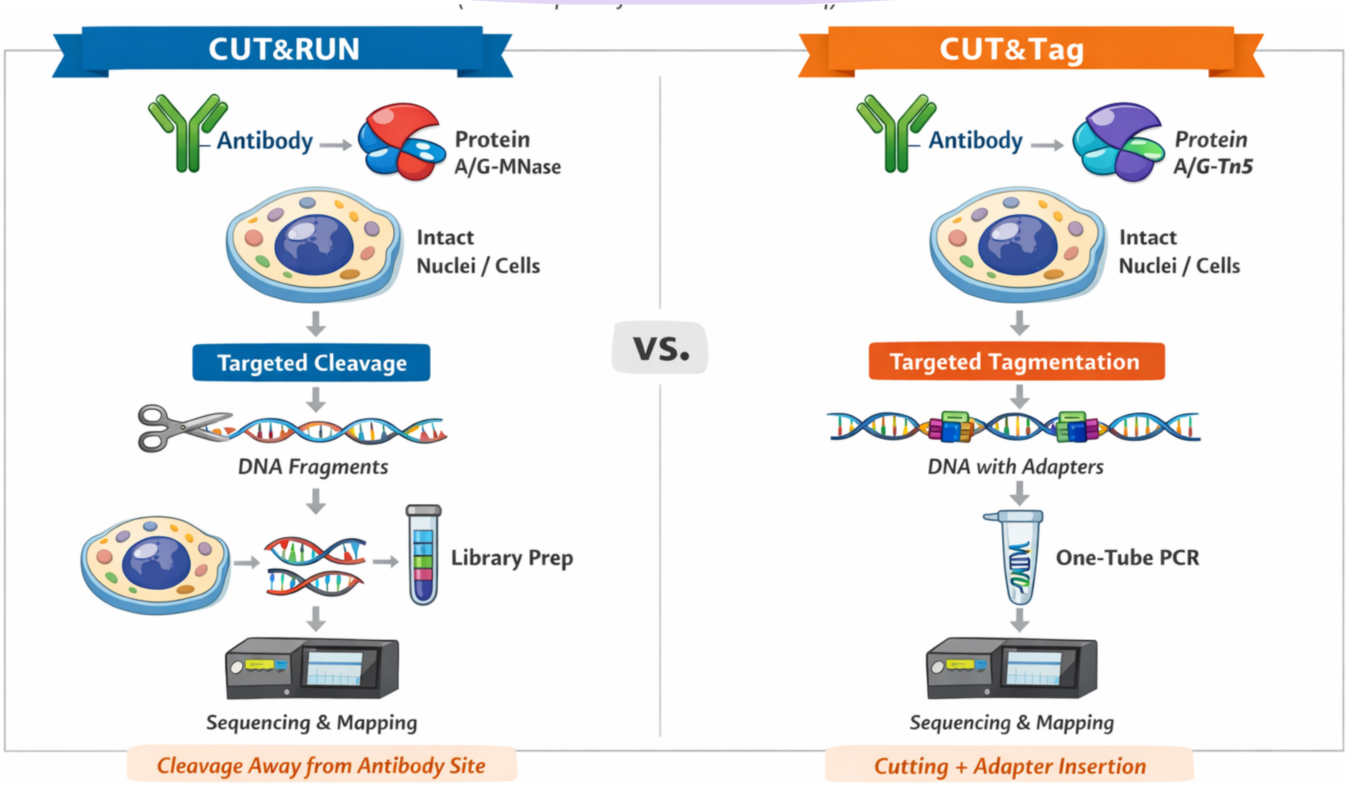
- Protein Purity Assay: ≥95%
- dsDNA Exonuclease Assay*: <1% released
- ssDNA Exonuclease Assay*: <1% released
- DNA Contamination Assay (*E. coli*, mammalian, library): <10 copies
- Phosphatase Contamination Assay*: <1% released
- Each enzyme individually QC'd for specific activity

PRODUCT	PART NUMBER	PACK SIZE
T4 UvsX DNA Recombinase – Glycerol-free (5 mg/mL)	7K0124-25UL	125 µg
	7K0124-500UL	2,500 µg
T4 UvsY Protein – Glycerol-free (2 mg/mL)	7K0126-25UL	50 µg
	7K0126-500UL	1,000 µg
T4 Gene 32 Protein – Glycerol-free (10 mg/mL)	7K0127-25UL	250 µg
	7K0127-500UL	5,000 µg
Bsu DNA Polymerase, Large Fragment – Glycerol-free (50 U/µL)	7K0128-25UL	1.25 kU
	7K0128-500UL	25 kU
RPA Enzyme Sample Pack – Glycerol-free	7K0125-25UL	25 µL of each enzyme

CUTANA™ assay kit一覽

Chromatin Immunoprecipitation (ChIP) Assay

省 sample impute / 簡易 / 快速 / 方便



特點／步驟	CUT&RUN	CUT&Tag
核心酵素	Protein A/G-MNase（核酸酶）	Protein A/G-Tn5（融合轉座酶 Tn5）
主要動作	抗體標記位附近的 DNA **切割/釋放片段**	抗體標記位置同時 **切割＋插入測序接頭**
Library 準備	需要後續 Library perparation	**在一管中直接產生可 PCR 的 Library**
目標用途	可用於 histone PTMs、轉錄因子、其他染色質蛋白定位	本質上對 **histone PTMs（組蛋白修飾）** 靈敏
需細胞數量	少量（低於 ChIP-seq，甚至幾千細胞）	更低輸入，適合非常珍貴樣本
signal-to-noise	高	甚至更高於 CUT&RUN 對某些目標
背景雜訊	低	極低

貨號	品名	反應數
14-1048-24rxn	**CUTANA™ ChIC/ CUT&RUN Kit**	**24**
14-1048–48rxn	**CUTANA™ ChIC/ CUT&RUN Kit**	**48**

貨號	品名	反應數
14-1102-48s1	**CUTANA™ CUT&Tag Kit (Primer Set 1)**	**48**
14-1102-48s2	**CUTANA™ CUT&Tag Kit (Primer Set 1)**	**48**
14-1102-48s3	**CUTANA™ CUT&Tag Kit (Primer Set 1 Subset)**	**24**

EpiCypher

EpiCypher Nucleosomes & Custom Development Services

... Nucleosome Technologies for Epigenetics & Drug Discovery

Nucleosomes with defined post translational modification (PTMs)	
貨號	名稱
16-0401	Nucleosome, Recombinant Human, H3K18ub1 dNuc, Biotinylated
16-0403	Nucleosome, Recombinant Human, H3K4,K27me3 dNuc, Biotinylated
16-0369	Nucleosome, Recombinant Human, H3K79me3 dNuc, Biotinylated
16-0320	Nucleosome, Recombinant Human, H3K36me3 dNuc, Biotinylated

Onco-nucleosomes with cancer-associated mutation	
貨號	名稱
16-1323	Mononucleosomes (H3.3 K27M), Recombinant Human, Biotinylated
16-1031	Nucleosome, Recombinant Human, Acidic Patch Mutant H2BE105A,E113A
16-0323	Mononucleosomes (H3.3 K27M), Recombinant Human, Non-Biotinylated
16-2031	Acidic Patch Mutant H2BE105A,E113A Recombinant Nucleosome with Linker DNA, Biotinylated

Epigenetic High Performance antibodies

Histone Modification Antibodies

- H3K27me3 (cat. 13-0055)
- H3K4me3 (cat. 13-0041)
- H3K27ac (cat. 13-0059)
- H3K9me1 (cat. MAB-33385)
- H3K36me3 (cat. 13-0058)
- H4K16ac (cat. MAB-27794)

Control Antibodies

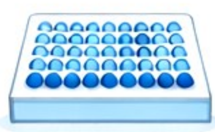
- Recombinant IgG (Anti-Mouse / Anti-Rabbit)
- Normal IgG Control (cat. 13-0042)
- Histone H3 (Full Length) (cat. 13-0001)

Applicable Applications

ChiP-seq

CUT&Tag / CUT&RUN

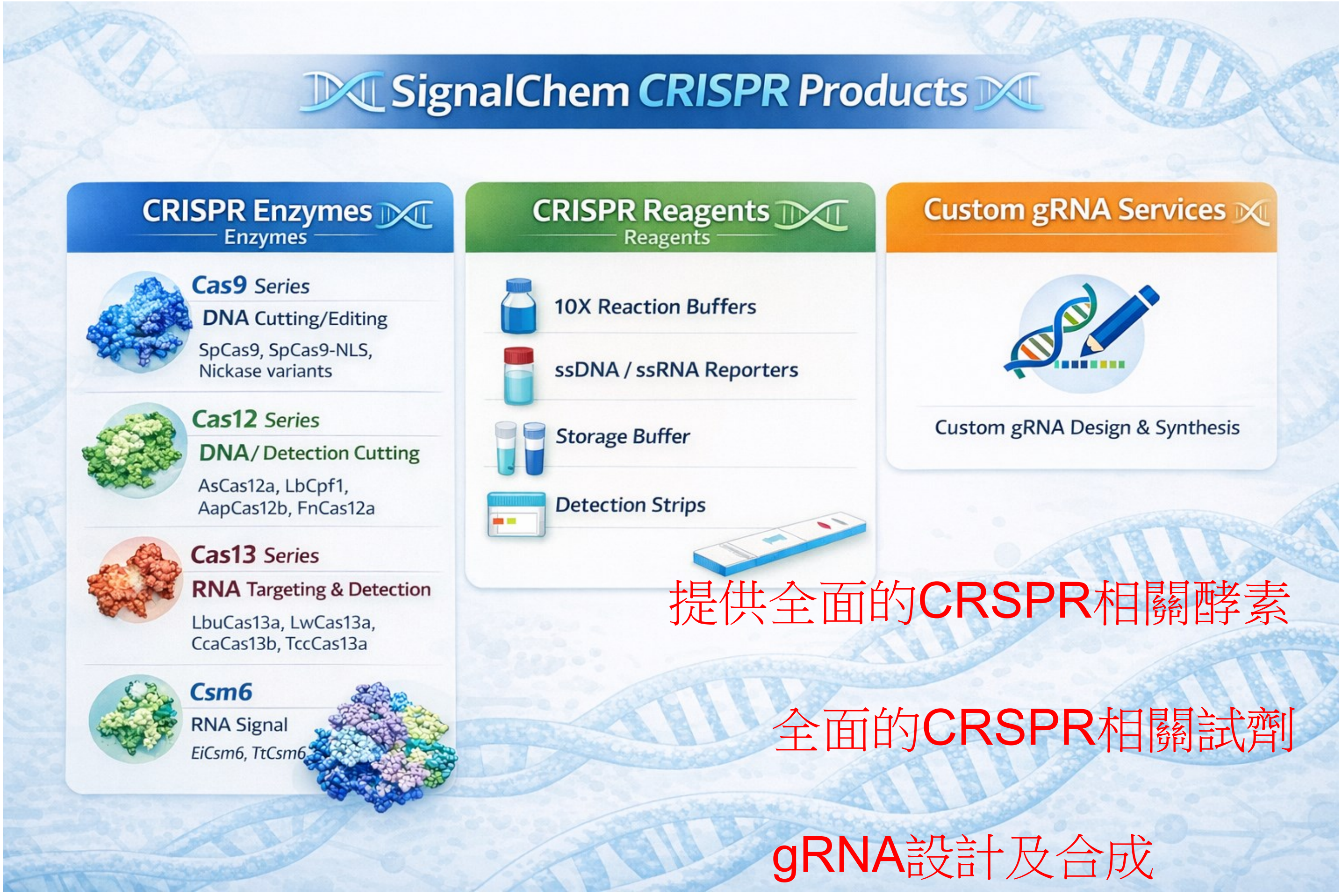
Western Blot



ELISA Analysis

NOTES

SIGNALCHEM DIAGNOSTICS



創世紀生技股份有限公司

北部

灃德生物科技有限公司	台灣鉅龍公司	好客生技有限公司
fengdebio@gmail.com	john@biogenesis.com.tw	arielt0306@gmail.com
TEL: 02-8792-9619#13	TEL: 02-8792-9619#17	TEL: 0903968105

南部

展誠生物科技	靚綵生物科技
zhanchengbio@gmail.com	Gene_science@hotmail.com
TEL: 0902376386	TEL: 07-313-6221

中部

金百科儀企業社

Howlchen.bpt@gmail.com

TEL: 0912468811