

DETECTIVE WB FILES

Western blotting

Sample preparation

Protein Quantitative

Protein Marker

Electrophoresis & transfer : mPAGE® & Buffer

Transfer membrane

Blocking Solution

Internal control Antibody & 2nd Antibody

Antibody

Singal Enhancer

Substrate

Stripping buffer

SNAP i.d.® 2.0

Imaging Systems

Detection



騰達行



0800-211-819



MERCK

Sigma-Aldrich
Lab & Production Materials

BIO-HELIX 
CO., LTD.

 **ROCKLAND**

SERVA
Serving Scientists

 **LABOGENE**

 **Hoefer**
Where The Experiment Gets

 **Cleaver**
SCIENTIFIC



DETECTIVE WB FILES

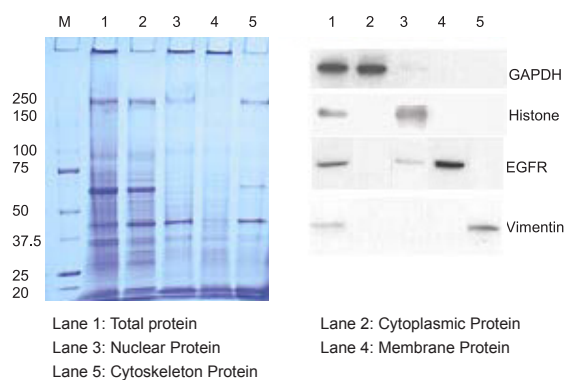
Western blotting

Sample preparation : Protein extraction & PI & PPI	4
Protein Quantitative	7
Protein Marker	7
Electrophoresis & transfer : mPAGE® & Buffer	8
Transfer membrane	14
Blocking Solution	14
Internal control Antibody & 2nd Antibody	15
Antibody	15
Singal Enhancer	18
Stripping buffer	18
Substrate	18
SNAP i.d.® 2.0	19
Detection	19
Imaging Systems	20
Western Blotting buffer 配方表	22
WB 總表	24
Auto2D® Automated 2-D Gel Electrophoresis Device 全自動蛋白質二維電泳	28

Sample Preparation

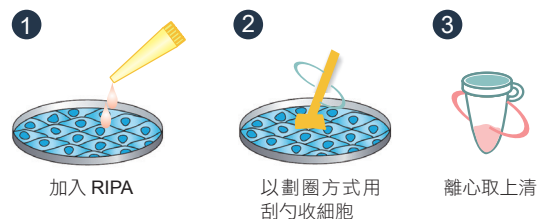
Compartment Protein Extraction Kit

- 包含實驗所需的所有 buffer
- 操作超簡單：不需超高速離心機
- 適用於各種細胞
- 能分離不同 subcellular localization 的蛋白
- 1D / 2D 皆適用



Lysis Buffer

- 經濟實惠
- 操作簡單：加入 dish 中，以劃圈方式刮取細胞即可
- 適用於各種哺乳類細胞



BugBuster[®] protein extraction kit

溫和

萃取

不失活蛋白

磷酸化蛋白 PhosphoSafe Extraction Reagent 細胞

- 獨有配方：試劑溫和和可有效的保護磷酸化狀態
- 試劑內含：protease inhibitors, kinase inhibitors, and phosphatase inhibitors，不須額外購買

粒線體 Mitochondria / Cytosol Fractionation Kit 細胞

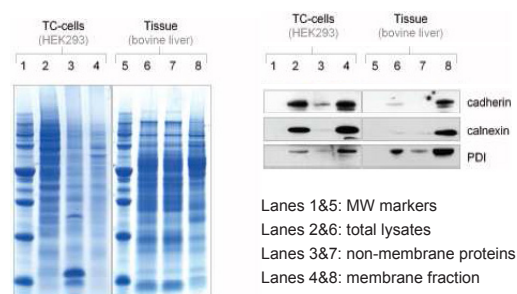
- 方便：一組 Kit 可得兩個不同位置的 fraction (Cytosol 及 Mitochondria)
- 可得到完整的粒線體
- 內含兩隻抗體：Bcl2, GAPDH，確認抽取效果

References:

1. Simon C Baker et al., Ketamine-Induced Apoptosis in Normal Human Urothelial Cells: A Direct, N-Methyl-D-Aspartate Receptor-Independent Pathway Characterized by Mitochondrial Stress., The American journal of pathology, 186(5), 1267-1277 (2016).
2. Jinxin Pan et al., Scopoletin protects retinal ganglion cells 5 from high glucose-induced injury in a cellular model of diabetic retinopathy via ROS-dependent p38 and JNK signaling cascade., Central-European journal of immunology, 47(1), 20-29 (2022).
3. Ying Kai Chan et al., A phosphomimetic-based mechanism of dengue virus to antagonize innate immunity., Nature immunology, 17(5), 523-530 (2016).

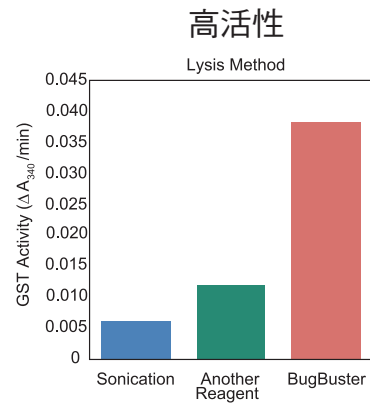
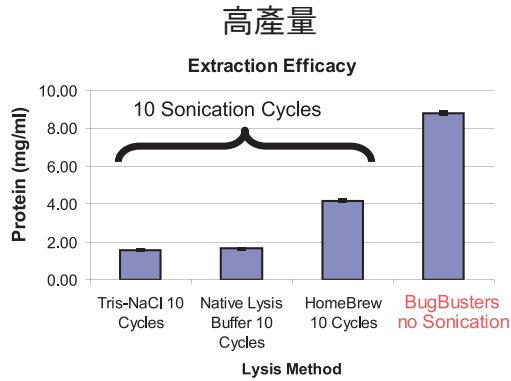
膜蛋白 ProteoExtract[®] Native Membrane Protein Extraction Kit

- 可得 Native 的蛋白：適用於 ELISA, kinase assay, Enzyme activity assays 及 SELDI-profiling 研究
- 樣品試用廣：貼覆型細胞、懸浮型細胞、冷凍細胞及組織皆適用
- 過程簡單：只需兩個步驟即可完成
- 內含：Protease Inhibitor Cocktail，不須額外購買



全蛋白 BugBuster Protein Extraction Reagent 細菌

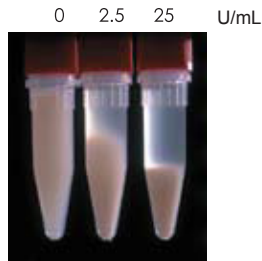
- 不失活性：針對細菌細胞壁提供溫和的方式來萃取，能使蛋白質不失去活性
- 高回收率：BugBuster Master Mix 結合了 BugBuster、Benzonase、Nuclease 與 rLysozyme，提高回收率
- 步驟簡單：收集細菌 – 添加 Extraction Reagent – 離心收蛋白



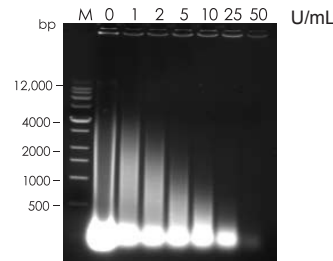
全蛋白 Benzonase

- 降低黏稠度：有利於後續離心或純化步驟，避免純化步驟塞管
- 高回收率：Benzonase 能去除 DNA 及 RNA，提高蛋白回收率
- GMP：製造過程符合 GMP 規範，並符合 ISO 9001 and 14001
- 具有 DMF：DMF type II file (FDA Reg. No. BBMF 5403)
- 嚴謹的 QC：產品經過 LAL test，endotoxin 低於 0.25 EU / 1000 units
- 適用的應用範圍廣：可適用於 ELISA, chromatography, 2D 及 footprint analysis 等

有效降低黏稠度



有效移除核酸



Cell Protein Extraction Reagents Application Guide

分類	貨號	品名	包裝
Total Protein	2140	Total Protein Extraction Kit	Kit (5g tissue/ cells)
	71009-4CN	CytoBuster™ Protein Extraction Reagent	250 mL
	20-188	10X RIPA Lysis Buffer	100 mL
Subcellular Protein	2145	Compartment Protein Extraction Kit	Kit (5g tissue/ 1.25x10 ⁹ cells)
核蛋白	2900	Nuclear Extraction Kit Mammalian cells	100 rxns
膜蛋白	444810-1KITCN	ProteoExtract® Native Membrane Protein Extraction Kit	20 Extractions
	71772-3CN	ProteoExtract® Transmembrane Protein Extraction Kit	20 Extractions
粒線體	MIT1000	Mitochondria / Cytosol Fractionation Kit	50 Extractions
磷酸化蛋白	71296-3CN /4CN	PhosphoSafe Extraction Reagent	25 mL/ 125 mL
細菌	70584-3CN/ 4CN	BugBuster® Protein Extraction Reagent	100 mL/ 500 mL
	71456-3CN/ 4CN	BugBuster® Master Mix	100 mL/ 500 mL
全系列	70664-3CN	Benzonase® Nuclease	10 kU
	1.01695.0001	Benzonase® (GMP Grade)	100 kU
	1.01654.0001	Benzonase®	100 kU

Protease & Phosphatase Inhibitor Cocktail

- 選擇多：提供多種選擇、符合各種不同實驗需求
- 高濃度：提供高濃度包裝，不過度稀釋裂解液
- 不只提供全面性防護且成分及濃度透明
- 抑制劑溶於 DMSO 中，即使用到最後一滴仍然保有最初效果，保護能力不衰退
- 提供 Liquid 及 Lyophilized 型式

Protease cocktail						
	Serine proteases	Cysteine proteases	Aspartic proteases	Aminopeptidases proteases	Metalloproteases	Recommended reaction conditions
539131	++	++			+	1:100
539134	+++	++	+	+		1:100-1:2000
539137	+	++				1:100
Phosphatase inhibitor cocktail						
	Acid phosphatase	Alkaline phosphatase	protein tyrosine phosphatases (PTPs)	Serine/threonine phosphatases		Concentration stock solution
524625	+	++	+			1:100
524629	+	+	+		++	1:50

Protease Inhibitor Cocktail (PI)

廣用型	加強型	特殊型
539131-10VLCN (10 x 1 mL) 539131-1VLCN (1 mL)	539134-1SETCN (5 x 1 mL) 539134-1MLCN (1 mL)	539137-10VLCN (10 x 1 mL) 539137-1MLCN (1 mL)
■ 內含五種不同抑制酵素 ■ 廣效抑制蛋白酶活性 ■ 100 X 稀釋	■ 哺乳動物、細菌與組織樣本適用 ■ 可用於純化 His 融合蛋白實驗 ■ 最大稀釋倍數可達 2000 X ■ 不含 EDTA	■ 四種蛋白酶抑制成分 ■ 可抑制 serine, cysteine ■ 不抑制金屬蛋白酶 ■ 不含 EDTA

Phosphatase Inhibitor cocktail (PPI)

熱銷款	經濟實惠款
524629-1SETCN (5 x 1 mL) 524629-1MLCN (1 mL)	524625-1SETCN (5 x 1 mL) 524625-1EACN (1 mL)
■ 內含四種抑制成分 ■ 液體形式包裝，方便使用 ■ 可抑制 serine / threonine 和 tyrosine phosphatase	■ 適用含有 Detergent 的細胞與組織萃取液 ■ 內含五種抑制成分 ■ 可抑制酸性、鹼性磷酸酶和 tyrosine phosphatases

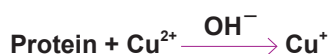
Protein Quantitative

BCA Protein Assay Kit # 71285-3CN 準確定量

- 可見光偵測方式：偵測波長 562 nm
- 偵測靈敏度範圍廣：20-2000 µg / mL
- 可適用於 cuvette format or microplate format
- 提供 BSA 標準品
- 檢測快速、結果穩定
- 試劑室溫保存好方便



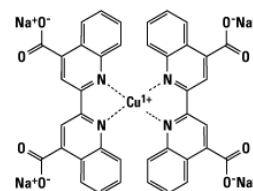
STEP 1



STEP 2



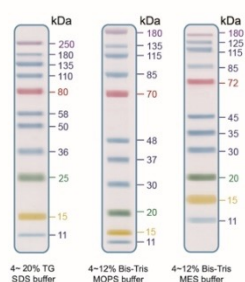
BCA Protein Assay Kit 是根據 biuret reaction 法研製而成，其原理是蛋白質分子中的肽鍵 C=O 結構在鹼性環境下能與還原雙價的銅離子 Cu^{2+} 生成複合物，並將 Cu^{2+} 還原成單價的亞銅離子 Cu^+ ，而 BCA 試劑可專一性的與 Cu^+ 結合，形成穩定的複合物，在 562 nm 處有最大吸光值，該複合物顏色深淺與蛋白質濃度成正比，可根據吸光值的大小來測定蛋白質的含量。



Protein Marker

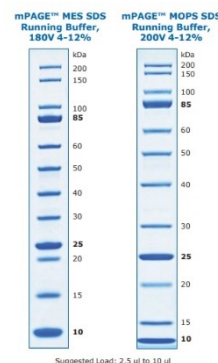
Pre-stain

- 分子量 Range 廣：11 kDa-250 kDa
- 方便辨識
- Loading 3-5 µL 即可清楚看見訊號



Un-stain

- 精準、清晰
- 方便辨別：10 kDa, 25 kDa, 85 kDa, 條帶有較高密度的顏色，容易在第一時間判斷大小
- 最少 Loading 2.5 µL 即可看見訊號



廠牌	貨號	品名	包裝
BIO-HELIX	PMX11-0500	NEXT 11 Prestained Protein Ladder	500 µL
Merck	MPSTD3	mPAGE® Unstained Protein Standard	500 µL

Electrophoresis & transfer

mPAGE® precast gel 預鑄膠



**mPAGE®
Bis-Tris
Precast Gels**



**mPAGE® 4X
LDS
Sample Buffer**



**Adapter
Plates**



**mPAGE®
Transfer Buffer
Powder**



**1L Running
Buffer Powder**

- 文獻等級的蛋白質電泳圖，實惠的價格
- 相容於常用的電泳槽
- 高達 80 μ L / well 的樣品容納量 (10 well)
- 跑膠時間短，最多可節省 15 分鐘
- Bis-Tris 凝膠片及 MES/MOPS 緩衝液可維持 pH 中性環境，避免蛋白質過度修飾 (modification) 而劣化結果

膠片濃度	well 數	貨號	包裝
4 - 12 %	10 well	MP41G10	10 gels (10 x 8 cm)
	12 well	MP41G12	
	15 well	MP41G15	
4 - 20 %	10 well	MP42G10	
	12 well	MP42G12	
	15 well	MP42G15	
8 - 16 %	10 well	MP81G10	
	12 well	MP81G12	
	15 well	MP81G15	

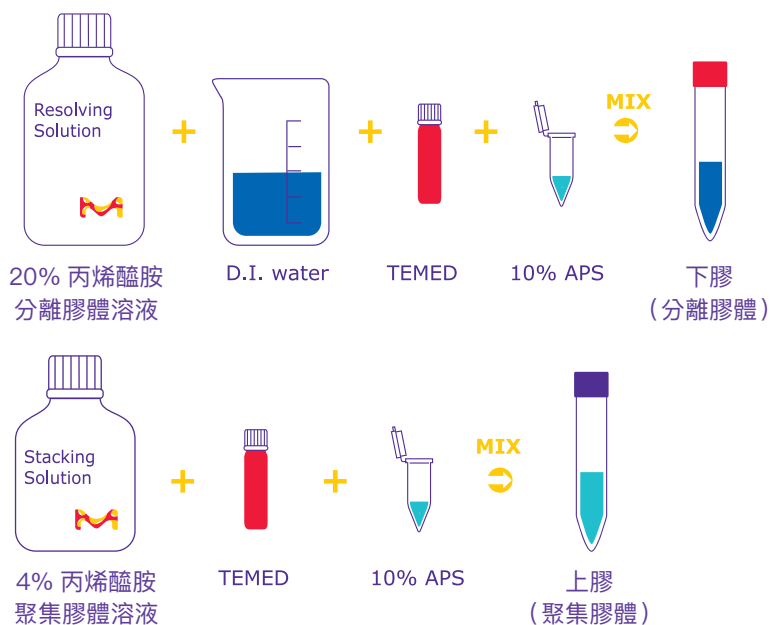
膠片濃度	well 數	貨號	包裝
8 %	10 well	MP8W10	10 gels (10 x 8 cm)
	12 well	MP8W12	
	15 well	MP8W15	
10 %	10 well	MP10W10	
	12 well	MP10W12	
	15 well	MP10W15	
12 %	10 well	MP12W10	
	12 well	MP12W12	
	15 well	MP12W15	

品名	貨號	包裝
mPAGE® 4X LDS Sample Buffer	MPSB-10ML	10 mL
MOPS SDS running buffer powder	MPM0PS	pack of 5 ea
MES SDS running buffer	MPMES	pack of 5 ea
Transfer buffer	MPTRB	pack of 10 ea
Adapters for mPAGE® gels when using XCell SureLock® and other compatible electrophoresis tanks	MPTA	pack of 2 ea

TurboMix™ Bis-Tris PAGE Casting Kit 快速鑄膠套組

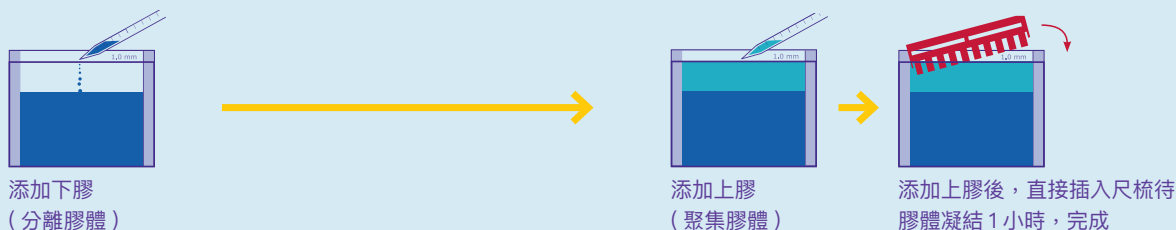
- 節省時間：不須額外配置 Resolving 及 Stacking solution
- 環保：減少 Tube 使用量
- 安全：降低接觸 Acrylamide 的風險

Step 1 : Dilute & TEMED + APS

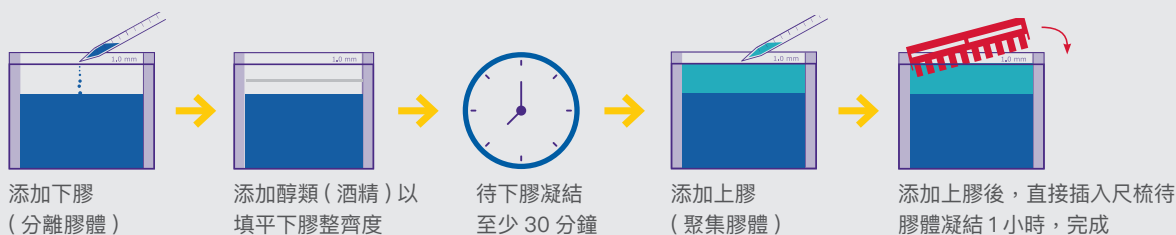


Step 2 : Quick Casting

TurboMix 快速製膠法



Traditional method 傳統製膠法



Tip: 利用 TurboMix 快速成膠法製膠時，請注意，因膠體溶液凝結速度快，勿一次同時製作超過 4 片膠

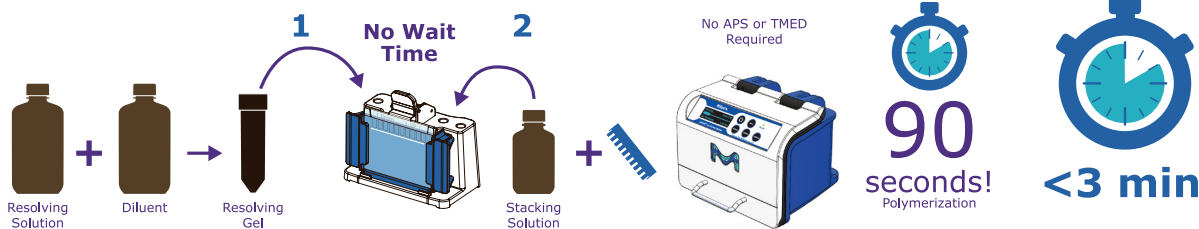
貨號	品名	包裝
TMKIT-10	mPAGE® TurboMix Bis-Tris Gel Casting Kit	~ 10 gels
TMKIT-60	mPAGE® TurboMix Bis-Tris Gel Casting Kit	~ 60 gels

mPAGE® Lux Casting System 光聚合凝膠系統

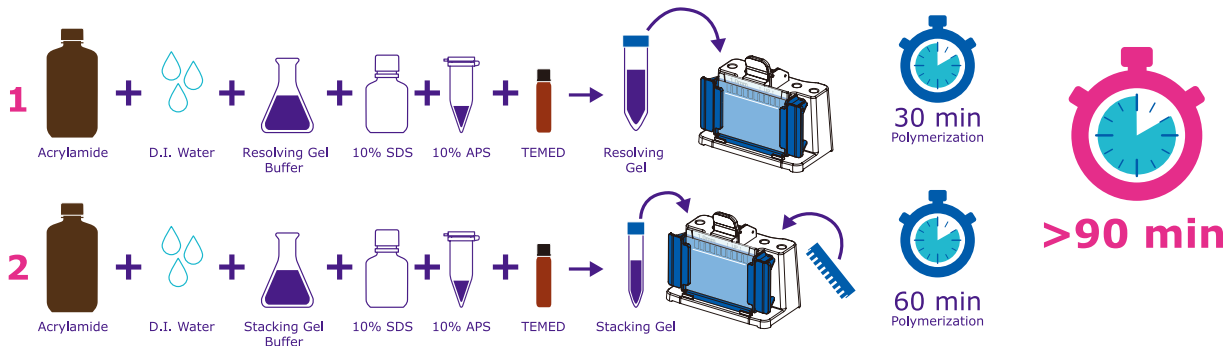
- 安全：不須添加 APS, TEMED
- 快速：凝膠只需 90 秒
- 方便：製膠步驟少
- 再現性高：精確的控制凝膠效能，減少批次差異
- 高品質：與 Tris-Glycine gel 相比，Lux 鑄膠使用 Bis-Tris 系統，
中性環境可以提高跑膠過程中蛋白質穩定性，具有更優越的跑膠品質
- 環保：相較於預鑄膠片，每塊凝膠的一次性塑料廢物量最多可減少 26%



mPAGE® Lux Workflow



Traditional Hand Cast Workflow



貨號	品名	
LUXCSYS-1M-US	mPAGE® Lux Casting System, 1 mm*	
LUXCSYS-75M-US	mPAGE® Lux Casting System, 0.75 mm**	
LUXCSYS-15M-US	mPAGE® Lux Casting System, 1.5 mm*	
* 內含機器一台，作膠台兩個 (單片 / 個)，齒梳 10 well / 15 well 各 5 個，長玻璃 5 片，短玻璃 10 well / 15 well 各 5 片，50 mL 褐色配膠管五管。		
** 內含機器一台，作膠台兩個 (單片 / 個)，齒梳 10 well 5 個，長玻璃 5 片，短玻璃 10 well 5 片，50 mL 褐色配膠管五管。		
LUXRGTKIT	mPAGE® Lux Bis-Tris Reagent Kit	內含 mPAGE® Lux Bis-Tris Resolving Solution 225 mL mPAGE® Lux Bis-Tris Diluent 225 mL mPAGE® Lux Bis-Tris Stacking Solution 112 mL



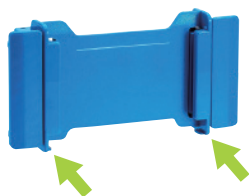
更多資訊 ▶

鑄膠系統：mPAGE® Gel Caster # MGCK-75M / MGCK-10M / MGCK-15M

- 膠體厚度：0.75 mm, 1 mm, 1.5 mm 可選擇
- 內含 10 well 及 15 well 齒梳各一組
- 短玻璃十片；長玻璃五片
- 脫膠鏟五片

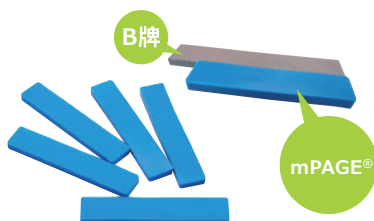
防漏重點 ①

實用設計「玻片定位角」，保證玻片一定對齊！



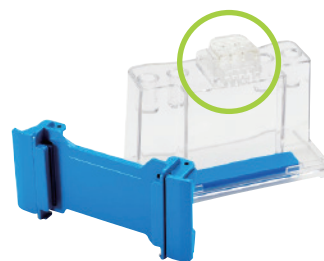
防漏重點 ②

重磅升級「密封墊片」，保證玻片一定密封！



防漏重點 ③

視覺化「夾鉗機制」，保證玻片一定夾緊！

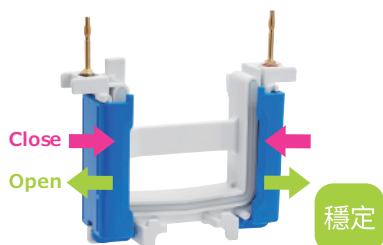


電泳槽：mPAGE® Mini Gel Tank # MGT-2 / MGT-4

- 提供兩槽或四槽膠片選擇
- 內含檔板一個，以及脫膠鏟五個

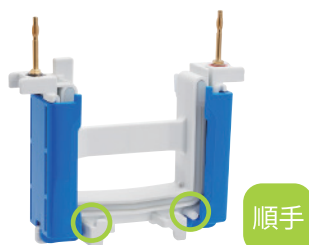
防漏重點 ①

水平移動即開合卡匣，保證玻片一定穩定！



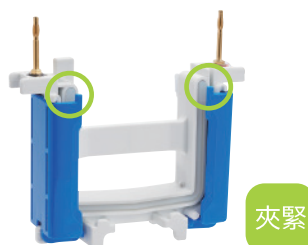
防漏重點 ②

打開卡匣即釋放玻片，保證操作一定順手！



防漏重點 ③

卡匣高度與膠條齊平，保證玻片一定夾緊！



電源供應器：Power Supply # MA700-US / MA400-US

- 提供進階款四槽或基礎款兩槽電源供給選擇



進階款

- ✓ 可儲存 30 套流程
- ✓ 每套流程 6 步驟
- ✓ 搭載 LCD 螢幕
- ✓ 各式數值指標一目了然



基礎款

- ✓ 體積小，不占空間
- ✓ 適合 2-step programs

Electrophoresis & transfer

電源供應器



直立式
外型

好輕巧

好提取

好收納

輸出模式：固定電壓或固定電流
時間設定：0 – 999 分鐘
輸出接頭：4 組
電壓 / 電流模式自動轉換

PS200HC 高電流機種

輸出電壓：5-200V，10-2000mA，1-200W
高電流輸出，適用於大型轉印設備或可同時多台電泳槽使用

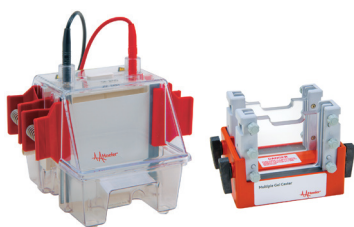
PS600 高電壓機種

輸出電壓：5-600V，3-750mA，150W
適用於大型電泳與轉印設備

PS300B 標準機種

輸出電壓：10-300V，4-500mA，90 W
適用於各項小型電泳槽與轉印設備

小型直立電泳槽組



Cat No. SE260-10A-1.5
Glass Plate Size 10 x 10.5 cm

標準型直立電泳槽組



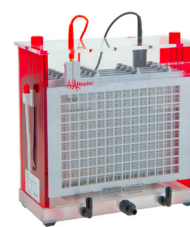
Cat No. SE660-15-1.5
Glass Plate Size 18 x 24 cm

小型濕式轉漬槽



Cat No. TE22
轉印卡夾面積 9 x 10 cm
最多可容納 4 個卡夾
內建冷熱交換裝置

標準型濕式轉漬槽



大片膠
專用

Cat No. TE62
轉印卡夾面積 15 x 21 cm
最多可容納 4 個卡夾
內建冷熱交換裝置

半乾式轉漬器



Cat. No. TE77XP
轉印面積 21 x 26 cm
內建電源供應組



半乾式轉印槽

- 轉印面積 10 x 10 cm & 20 x 20 cm
- 蛋白質及核酸轉印均適用
- 膠片厚度可 0.25 ~ 10 mm
- 螺旋螺絲固定電極板，電流均勻



Brand	Item Number	Item Description	Size
Hoefer	PS600	POWER SUPPLY 600V,750MA,150W	1 PK
Hoefer	PS300B	PWR SUPPLY-PS300B HINC	1 PK
Hoefer	PS200HS	PWR SUPPLY-PS200HC HINC	1 PK
Hoefer	SE260-10A-1.5	SE260-10A-1.5 COMPLETE,HINC	1 PK
Hoefer	SE660-15-1.5	SE660 TALL VERTICAL COMPLETE	1 PK
Hoefer	TE22	TE22 MIGHTY SMALL TK TRANSFER	1 PK
Hoefer	TE62	TE62 TRANSPHOR W/COOLING BASE	1 PK
Hoefer	TE77XP	TE77XP SEMIDRY BLOTTER,HINC	1 PK
Cleaver	SD10	Semi Dry Mini, 10 x 10 cm System	1 PK
Cleaver	SD20	Semi Dry Maxi, 20 x 20 cm System	1 PK

Protein gel stains

- 安全：無毒性的染劑
- 去染：只需要使用 DD H₂O 即可去染
- 無刺鼻味道
- 操作方便簡單



安全

去染

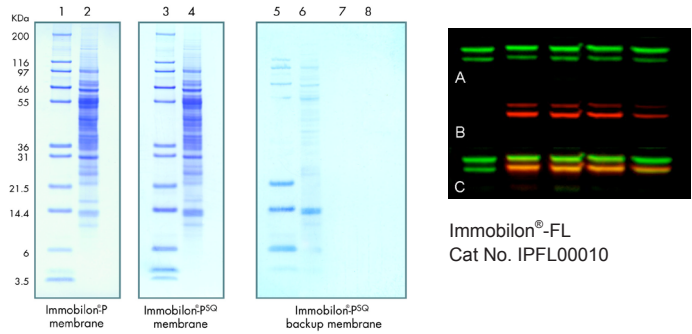
方便

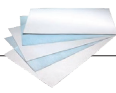
Colormetric			
	EZBlue Gel Stain	ReadyBlue Stain	ProteinSilver Stain
	# G1041-500ML	# RSB-1L	# PROTSIL1-1KT
靈敏度	≥ 5 ng	≥ 5 ng	≥ 0.1 ng
反應時間	60 mins	5 - 60 mins	3 - 12 mins
去染時間	Optional	Optional	NO
特色	1. 沒有有機溶劑的廢液 2. 以 DD H ₂ O 去染即可 3. 以 Brilliant Blue G-250 當作基底， 可用在 polyacrylamide gels 以及 PVDF membranes 的染色	1. 可重複使用至少三次以上 2. 沒有毒性 3. 以 DD H ₂ O 去染即可 4. 相容於 mass-spectrometry 實驗	1. 高靈敏度 2. 相容於 MALDI 實驗

Flourescent		
	EZFluro Stain	EZFluro UV Stain
	# SCT145-1L	# SCT147-1L
靈敏度	1 - 10 ng	1 - 10 ng
反應時間	5 - 60 mins	5 - 60 mins
去染時間	Optional	Optional
特色	1. 適用 UV 燈箱、藍光照射或雷射掃描儀機器 2. 相容於 mass-spectrometry 及 Edman-based sequencing 實驗 3. 無刺鼻味：不含 methanol 及 acetic acid	1. 適用 UV 燈箱或可偵測 EtBr 的濾鏡 2. 相容於 mass-spectrometry 及 Edman-based sequencing 實驗 3. 無刺鼻味：不含 methanol 及 acetic acid

Transfer membrane

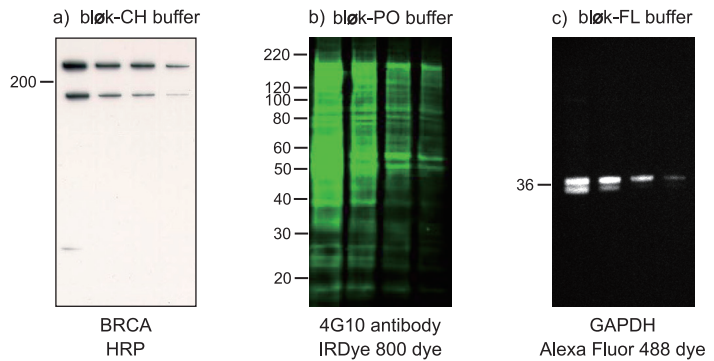
- High S/N ratio：背景值低，實驗結果更具說服力
- I-Now 預裁式：固定寬度，需要多少量，即拉即剪，不再浪費時間裁切
- Protein binding capacity 約 150-450 $\mu\text{g} / \text{cm}_2$ ，比 NC membrane 高出兩倍
- 韌性強，操作過程中不易撕破
- 適用於各種呈色方式
- Immobilon®-Psq 適用於 < 20 kDa 蛋白質
- Immobilon®-FL 低背景值干擾，適用螢光偵測
- Immobilon®-E 不須浸泡 Methanol
- Immobilon®-NC 為 NC 膜



廠牌	貨號	品名	包裝
 預裁式	IEVH85R	Immobilon®-E PVDF Membrane; 0.45 μm	1 roll, 8.5 cm $\times$ 10 m
	IPVH85R	Immobilon®-P Membrane; 0.45 μm	1 roll, 8.5 cm $\times$ 10 m
	ISEQ85R	Immobilon®-PSQ Membrane; 0.2 μm	1 roll, 8.5 cm $\times$ 10 m
	IPFL85R	Immobilon®-FL PVDF Membrane; 0.45 μm	1 roll, 8.5 cm $\times$ 10 m
	HATF85R	Immobilon®-NC Nitrocellulose Membrane; 0.45 μm	1 roll, 8.5 cm $\times$ 10 m
 傳統式	IEVH00005	Immobilon®-E PVDF Membrane; 0.45 μm	1 roll, 27 cm $\times$ 1.875 m
	IPVH00010	Immobilon®-P Membrane; 0.45 μm	1 roll, 27 cm $\times$ 3.75 m
	ISEQ00010	Immobilon®-PSQ Membrane; 0.2 μm	1 roll, 27 cm $\times$ 3.75 m
	IPFL00010	Immobilon®-FL PVDF Membrane; 0.45 μm	1 roll, 27 cm $\times$ 3.75 m
	HATF00010	Immobilon®-NC Nitrocellulose Membrane; 0.45 μm	1 roll, 33 cm $\times$ 3 m
 轉漬用濾紙	IBFP0785C	Immobilon® Blotting Filter Paper	100 sheets, 7 cm x 8.4 cm
	IBFP0813C	Immobilon® Blotting Filter Paper	100 sheets, 8.5 cm x 13.5 cm

Blocking Solution

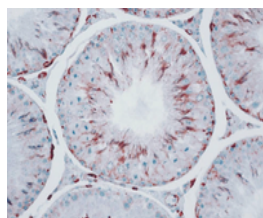
- 背景值低，實驗結果更具說服力
- Protein - free
- Ready to use
- 適用於各種呈色方式



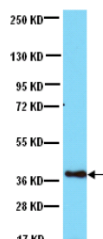
貨號	品名	備註
126575	Albumin, Bovine Serum, Fraction V, Fatty Acid-Free	BSA
WBAVDCH01	bløk - CH Chemiluminescent Blocker 500 mL	一般蛋白用
WBAVDP001	bløk - PO Phosphoprotein Blocker, 500 mL	磷酸化蛋白用
WBAVDL01	bløk - FL Fluorescent Blocker, 500 mL	螢光蛋白用



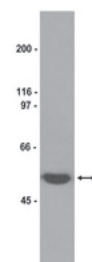
Internal control Abs (1st Ab) and HRP Conjugated Abs (2nd Ab)



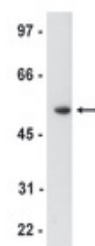
Cat No. MAB1501



Cat No. MAB374



Cat No. 05-661



Cat No. 05-829

熱賣

貨號	品名	備註
MAB1501	Anti-Actin Antibody, clone C4	1st Ab
MAB374	Anti-Glyceraldehyde-3-Phosphate Dehydrogenase Antibody, clone 6C5	
05-661	Anti-β-Tubulin Antibody, clone AA2	
05-829	Anti-α-Tubulin Antibody, clone DM1A	
AP124P	Goat Anti-Mouse IgG Antibody, Peroxidase Conjugated, H+L	2nd Ab-HRP
AP132P	Goat Anti-Rabbit IgG Antibody, Peroxidase Conjugated	
AP136P	Goat Anti-Rat IgG Antibody, HRP conjugate	

Antibody

Protein localization

位置	貨號	品名	物種	應用
Cytosolic	MAB374	Glyceraldehyde 3-phosphate dehydrogenase (GAPDH)	Ca, H, M, R, Rb, F, Fe, Po	ELISA, IP, ICC, IF, IHC, WB
Nuclear	MAB1281	Anti-Nuclei Antibody, clone 235-1	H	ICC, IHC, IP
	MABS492	Anti-Lamin-B1 Antibody, clone 8F10.1	H, R	WB, IH(P)
	MAB3536	Anti-Lamin B2 Antibody, clone LN43	H, Ht, M, Xn	FC, WB, IHC
	06-755	Anti-Histone H3 Antibody	H, R, M	WB, ICC, IP, ChIP
Membrane	MAB1950	Anti-Integrin α2 Antibody, clone P1E6	H	ICC, IHC, FUNC
	GR08L-100UGCN	Anti-Transferrin Receptor (Ab-1) Mouse mAb (T56/14)	H	FC, IF, IP
Cytoskeletal	MAB1501	Anti-Actin Antibody, clone C4	ALL	ELISA, ICC, IF, IHC, IH(P), WB
	A5441-100UL	Anti-β-Actin antibody	Po, Hirudo medicinalis, B, R, Ca, Fe, H, Rb, carp, M, guinea pig, Ch, sheep	ELISA (i), IF, IHC (p), WB
	T4026-100UL	Anti-β-Tubulin antibody	M, bovine, R, Rb, chicken, H	WB, IF
	V6630-100UL	Anti-Vimentin antibody	Ch, R, B, Fe, hamster, gerbil, horse, Ca, Rb, monkey, Po, H	IHC (p), WB
Mitochondria	H4149-.2ML	HSP60	Ch, H, R	ELISA, EM, IHC (p), WB
	MABN504	VDAC1/PORIN	R, M, H	IHC, WB

熱賣抗體

標的	貨號	品名	物種	應用
Loading control	MAB1501	Anti-Actin Antibody, clone C4	ALL	ELISA, ICC, IF, IHC, IH(P), WB
	A5441-100UL	Anti- β -Actin antibody	Po, Hirudo medicinalis, B, R, Ca, Fe, H, Rb, carp, M, guinea pig, Ch, sheep	ELISA (i), IF, IHC (p), WB
	MAB374	Glyceraldehyde 3-phosphate dehydrogenase (GAPDH)	Ca, H, M, R, Rb, F, Fe, Po	ELISA, IP, ICC, IF, IHC, WB
	MAB1637	Anti- β -Tubulin III Antibody	R, M, avian, H, B, Mk, P, Sp	ELISA, ICC, IHC (p), IP, WB
	T4026-100UL	Anti- β -Tubulin antibody	M, bovine, R, Rb, chicken, H	WB, IF
neuron	AB152	Anti-Tyrosine Hydroxylase Antibody	H, R, M, Fe, Ft, Sqd, Dr, MI	ELISA, IF, IHC, IH(P), IP, WB
	MAB377	Anti-NeuN Antibody, clone A60	Av, Ch, Ft, H, M, Po, R, Sal	FC, ICC, IF, IHC, IH(P), IP, WB
	ABN78	Anti-NeuN Antibody	M, H, snail, R	ICC, IF, IHC, WB
	MAB318	Anti-Tyrosine Hydroxylase Antibody, clone LNC1	Ch, Fg, H, M, Mk, R, Lz, Vo, Zebrafish	IHC, IH(P), IP, WB
	MAB360	Anti-Glial Fibrillary Acidic Protein Antibody, clone GA5	B, Ch, H, M, Po, R, Rb	ICC, IHC, IH(P), WB
	AB5804	Anti-Glial Fibrillary Acidic Protein Antibody	H, B, canine, R	ICC, IHC (p), WB
	MAB3402	Anti-Glial Fibrillary Acidic Protein Antibody, clone GA5	Ch, P, R, B, M, Rb, H	ICC, IHC (p), WB
	AB5622	Anti-Microtubule-Associated Protein 2 (MAP2) Antibody	H, M, R	ELISA, ICC, IHC, IH(P), WB
	AB144P	Anti-Choline Acetyltransferase Antibody	H, R, M, Po, Ch, B, Rb	ICC, IHC, IH(P), WB
	AB5320	Anti-CSPG4 Antibody	R, M, Mk, H	ELISA, ICC, IHC, IP, WB
cancer	04-035	Anti-PTEN Antibody, clone 6H2.1	H, M, R	WB, IP, IH(P)
	05-665	Anti-Active- β -Catenin (Anti-ABC) Antibody, clone 8E7	H, R, M	FACS, ICC, IHC (p), WB
	AB19016	Anti-MMP-9 Antibody, Catalytic domain	H, R, M	IHC, IP, WB
Virus	MAB979	Anti-Enterovirus 71 Antibody, cross-reacts with Coxsackie A16, clone 422-8D-4C-4D	H	IF
	MAB8251	Anti-Influenza A Antibody, nucleoprotein, clones A1, A3 Blend	H	IF
	MAB10216	Anti-Flavivirus Group Antigen Antibody, clone D1-4G2-4-15	H	IF
	MAB8052	Anti-Adenovirus Antibody, clone 20/11	H	ELISA, FACS, IF, IHC
	MAB8705	Anti-Dengue Virus Complex Antibody, clone D3-2H2-9-21	H	IC, IF
Epigenetic	05-636	Anti-phospho-Histone H2A.X (Ser139) Antibody, clone JBW301	Vrt	ICC, IF, WB, ChIP, IHC
	06-599	Anti-acetyl-Histone H3 Antibody	H, M, R	WB, ICC, ChIP-seq, ChIP
Other	12-370	Normal Rabbit IgG		
	12-371	Normal Mouse IgG		
	07-645	Anti-Sp1 Antibody	H, R, M	ChIP, EMSA, IF, IP, WB
	05-321	Anti-Phosphotyrosine Antibody, clone 4G10 [®]	All	ICC, IHC, IP, WB
	AB5535	Anti-SOX9 Antibody	Ch, H, R, M	ChIP, ICC, IF, IHC, WB

二級抗體

二抗 來源	一抗物種	Unconjugate	HRP	Biotin	AP	Cy3	FITC	Rhodamine
Goat	mouse	AP124	AP124P	AP124B	AP124A	AP124C	AP124F	AP124R
	rabbit	AP132	AP132P	AP132B	AP132A	AP132C	AP132F	AP132R
	rat	SAB3700569	AP136P	612-1602	AP136A	AP136C	AP136F	AP136R
	human	AP112	AP112P	AP112B	AP112A		AP112F	609-1002
	Porcine	SAB3700370	AP166P					
Rabbit	mouse	AP160	AP160P	SAB3701088	AP160A	AP160C	AP160F	SAB3701020
	Human	AP101	AP101P	SAB3701318	SAB3701276		AP101F	SAB3701370
	Goat	AP106	AP106P	SAB3700261	AP106A	AP106C	AP106F	SAB3700321
	Rat	AP164	SAB3700548	SAB3700660	SAB3700579		612-4202	SAB3700545
Mouse	Rabbit	611-301-122	AP188P	611-306-122	611-305-122		211-3202	611-300-122
	Goat	SAB3700264	AP186P	B3148	A8062		F4891	SAB3700263
	Human	SAB3701329		B3773	A2064		F5016	609-300-002
Donkey	mouse	SAB3701101	AP192P	AP192B	AP192A	AP192C	AP192F	AP192R
	rabbit	SAB3700932	AP182P	AP182B	AP182A	AP182C	611-7202	AP182R
	Rat	SAB3700591	AP189P	AP189B	SAB3700597	AP189C	AP189F	SAB3700589
Sheep	Rat	612-6102	SAB3700585	SAB3700587	SAB3700586		612-6202	SAB3700582
	mouse	AC111	AC111P	AC111B	A3563	AC111C	610-602-002	610-600-002
	rabbit	AP510	AP510P	SAB3700922	611-6502	C2306	611-6202	SAB3700911
Chicken	rat	SAB3700604	SAB3700606	SAB3700608	SAB3700607		612-9202	SAB3700603
	mouse	SAB3701114	SAB3701116	SAB3701118	SAB3701117		610-9202	610-9002
	rabbit		SAB3700941					SAB3700938

* 黑色抗體來自 Merck & Sigma-Aldrich

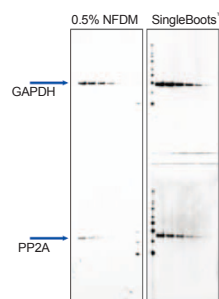
* 紅色字體抗體 來自 Rockland



Signal Enhancer

- 增加訊號，降低背景值
- Ready to use
- 適用於各種呈色方式：可見光、冷光及螢光方式
- 適用範圍廣：WB、dot blotting 及 ELISA 都適用
- 使用方便：當作抗體的稀釋液使用

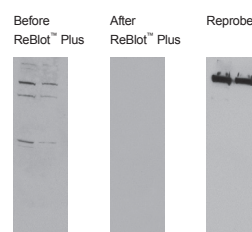
節省
抗體



貨號	品名	包裝
407207-1KITCN	SignalBoost™ Immunoreaction Enhancer Kit	1 kit

Stripping buffer

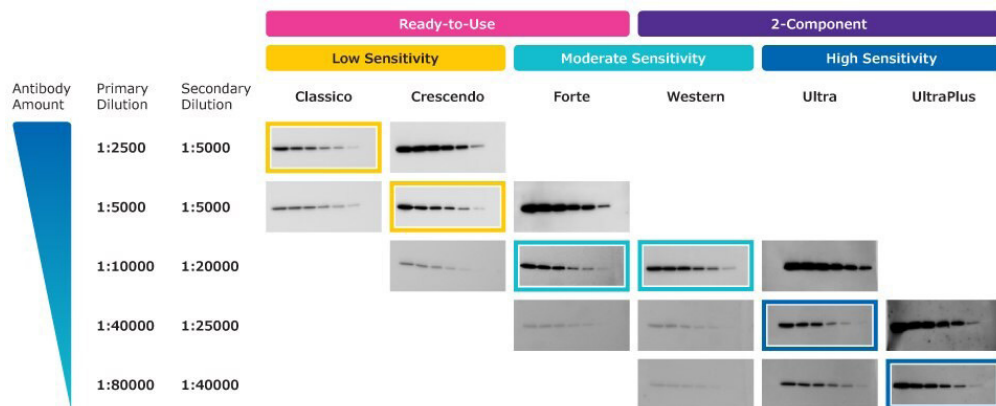
- 不需加熱，室溫即可進行
- 不含 Mercaptoethanol，沒有刺鼻的臭味
- 節省時間，不需再進行費時的 Gel electrophoresis 及 transfer 過程
- 同一片 membrane，可以觀察不同的蛋白，節省您寶貴的樣品



貨號	品名	包裝
2502	ReBlot Plus Mild Antibody Stripping Solution, 10x	50 mL
2504	ReBlot Plus Strong Antibody Stripping Solution, 10x	50 mL
2060	ReBlot Western Blot Recycling Kit	1 kit

Substrate

- Immobilon® Forte 可室溫儲存，方便使用並節省冰箱空間
- Immobilon® ECL UltraPlus substrate：靈敏度最高，不只可用在表現量低的蛋白，相對也可以節省抗體使用量
- 節省抗體：依照樣品不同的表現量，選擇不同靈敏度的呈色液



廠牌	貨號	品名	包裝
傳統款	WBKLS0500	Immobilon® Western Chemiluminescent HRP Substrate	2 x 250 mL
	WBULS0100	Immobilon® ECL Ultra Western HRP Substrate	2 x 50 mL
	WBULS0500	Immobilon® ECL Ultra Western HRP Substrate	2 x 250 mL
	WBULP-100ML	Immobilon® ECL UltraPlus Western HRP Substrate	2 x 50 mL
預混款	WBLUC0500	Immobilon® Classico Western HRP Substrate	500 mL
	WBLUR0500	Immobilon® Crescendo Western HRP Substrat	500 mL
	WBLUF0500	Immobilon® Forte Western HRP Substrate	500 mL

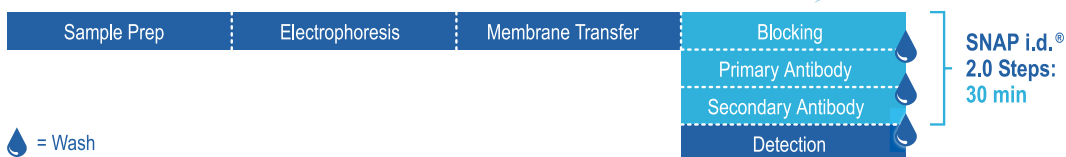
SNAP i.d.® 2.0

- 超快速：30 分鐘內，完成 WB 實驗
- 超省錢：簡單快速回收珍貴的 Ab，節省抗體成本
- 超方便：最多可同時操作 4 片 membrane
- 增加訊號：可減少 Overblocking 問題，有效洗去未結合之抗體，降低背景值使靈敏度提高
- 選擇多：可放置不同大小的轉漬膜，包含 (4.5 x 8.4 cm)、(7.5 x 8.4 cm) 以及 (8.5 x 13.5 cm)
- 室溫下即可進行整個實驗，亦可將 Holder 移至 4°C 反應，增加靈敏度
- 適用各家廠牌之 membrane 及 substrate



比傳統方法
快 **3.5~4** 小時

SNAP i.d.® 2.0 workflow



貨號	品名	包裝
SNAP2MINI	SNAP i.d.® 2.0 System-Mini (7.5 x 8.4 cm)	1
SNAP2MIDI	SNAP i.d.® 2.0 System-Midi (8.5 x 13.5 cm)	1
SNAP2MM	SNAP i.d.® 2.0 System-Mini and Midi (7.5 x 8.4 cm and 8.5 x 13.5 cm)	1
SNAP2MB1	SNAP i.d.® 2.0 System-Mini and MultiBlot	1
SNAP2MB2	SNAP i.d.® 2.0 System-Midi and MultiBlot	1
SNAP2BHMD0100	SNAP i.d.® 2.0 Midi Blot Holders, 100/pk	100
SNAP2BHMD0100	SNAP i.d.® 2.0 Mini Blot Holders, 100/pk	100
SNAP2BHMD050	SNAP i.d.® 2.0 MultiBlot Holders (50 pack)	50

Detection



- 適用於 Blotting 及 Sequence autoradiography
- 可用於偵測 ^{14}C 、 ^{35}S 、 ^{32}P 、 ^{33}P 、 ^{125}I 等放射性實驗及冷光偵測實驗
- 高靈敏度與高對比解析能力
- 適用於自動化洗片系統

廠牌	貨號	品名	包裝
Thomas Scientific	TS-1141J52	Hybri-CLL Autoradiography Film 8 x 10"	100 / pk

Imaging Systems

Eagle Chemi 多功能影像分析系統



高解析度相機
可選 900 萬畫素 CMOS 相機
或 600 萬畫素 CCD 相機

大光圈鏡頭
F0.8 大光圈鏡頭
可選自動聚焦或定焦鏡頭

電動 7 孔位濾鏡旋轉盤
可配置 535 nm、590 nm、605 nm、700 nm、
715 nm、810 nm 濾光片

觸控螢幕
15.6 英寸平板電腦單機操作

切膠裝置
可折疊切膠防護板，
自動開啟對應光源

托盤自動辨識
自動辨識不同應用樣品
托盤，開啟對應光源

LED 透射光源
紫外光 / 藍光 / 白光 LED

落射光源
雙波段紫外光 /
可配置紅綠藍三色螢光 /
雙波段近紅外光

Features

直覺式操控軟體

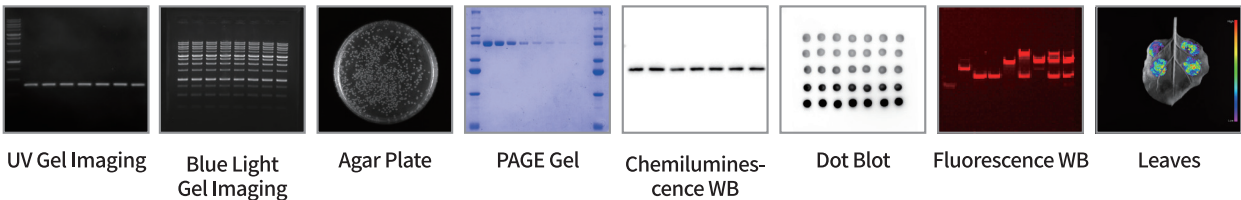
可溯源電子紀錄

強大的分析軟體

Application |



- Nucleic acid detection:** Various fluorescence dyes such as EB, GelGreen, GelRed etc.
- Protein detection:** Coomassie blue, silver nitrate stains; fluorescence dyes such as Sypro™Red, Sypro™ Orange, Pro-Q Diamond, Deep Purple, etc.
- Western blotting:** Western Lighting, ECL, ECLplus, CDP star, SuperSignal, CSPD, LumiGlo, Cy2, Cy3, Cy5, etc.
- Gel-cutting:** For recycling DNA gels.
- Other applications:** Agar and ELISA plate, leaves, etc.



Model	Chemi Basic	Chemi & G	Chemi & GF
Application	Chemiluminescence Imaging	Chemiluminescence + Gel Imaging	Chemiluminescence + Gel + Fluorescence Imaging
Camera	Deep-cooled CMOS / Deep-cooled CCD		
Resolution	3000×3000 (CMOS) / 2688×2200 (CCD)		
Pixel	9 MP (CMOS) / 6.05 MP (CCD)		
Pixel Size	3.76×3.76 μm (CMOS) / 4.54×4.54 μm (CCD)		
Quantum Efficiency	92% (CMOS) / 75% (CCD)		
Binning	1×1, 2×2, 3×3, 4×4, 6×6, 8×8 (CMOS) 1×1, 2×2, 4×4, 6×6, 8×8, 12×12, 16×16, 24×24 (CCD)		
Lens	F0.8 high-definition professional lens with large aperture and autofocus/fixed focus		
Epi-white	✓	✓	✓
Trans-white	/	✓	✓
Trans-blue	/	470 nm	470 nm
Trans-UV	/	302 nm	302 nm
Epi-UV	/	254/365 nm	254/365 nm
Fluorescent	/	/	Red 625 nm,Green 520nm,Blue 470 nm
Near Infrared	/	/	660 nm,740 nm
Motorized Filter Wheel	/	7-position	7-position
Available Filters	/	590 nm	535 nm,590 nm,605 nm,700 nm, 715 nm,810 nm
Viewing Area	16cm×15 cm		
Gel-Cutting	Intelligent recognition of UV protective shield		
Sample Tray	Intelligent recognition of luminescence sample tray	Intelligent recognition of white/blue/UV/luminescence sample tray	
Operation Mode	15.6-inch built-in touchscreen		
System	12th gen i5 control unit		
Dimension	450 x 462 x 678 mm		

Western Blotting buffer 配方表

TBS 10x (conc. tris-buffered saline)

[Tris]: 200 mM
[NaCl]: 1500 mM
For 1 L:
24 g Tris base (FW: 121.1 g/mol)
88 g NaCl
Dissolve in 900 mL Milli-QR water. Adjust pH to 7.6
with 12 N HCl Add Milli-QR water to a final volume of 1 L.
1X solution: Mix 1 part of the 10X solution with 9
parts Milli-QR water and adjust pH to 7.6.

TBST (tris-buffered saline, 0.1% TweenR 20)

[Tris]: 20 mM
[NaCl]: 150 mM
[TweenR 20]: 0.1% (w/v)
For 1 L:
100 mL TBS 10X
900 mL Milli-QR water
1 mL TweenR-20 detergent

4X SDS-PAGE sample loading buffer

[Tris-HCl]: 0.2 M
[DTT]: 0.4 M
[SDS]: 277 mM, 8.0% (w/v)
[Bromophenol blue]: 6 mM
[Glycerol]: 4.3 M
For 7.5 mL:
1.5 mL 1 M Tris-HCl pH 6.5
3 mL 1 M dithiothreitol (DTT)
0.6 g sodium dodecyl sulfate (SDS)
30 mg bromophenol blue
2.4 mL glycerol
Bring final volume to 7.5 mL with Milli-QR water
If solution is orange/yellow in color, add 1 drop of 5 M
NaOH to adjust pH
Make 500 µL aliquots and store at -20 °C

SDS-PAGE separating gel casting buffer

[Tris-HCl]: 1.5 M
For 500 mL:
118.2 g Tris-HCl (FW:157.60 g/mol)
Add 450 mL Milli-QR water and adjust pH to 8.8
Add Milli-QR water to final volume of 500 mL
Filter and degas

SDS-PAGE stacking gel casting buffer

[Tris-HCl]: 1 M
For 500 mL:
78.8 g Tris-HCl (FW:157.60 g/mol)
Add 450 mL Milli-QR water and adjust pH to 6.8
Add Milli-QR water to final volume 500 mL
Filter and degas

SDS-PAGE 10X gel running buffer

[Tris]: 248 mM
[Glycine]: 1.92 M
[SDS]: 35 mM, 1% (w/v)
For 2 L:
60 g Tris base (FW: 121.1 g/mol)
288 g glycine
20 g sodium dodecyl sulfate (SDS)
Add Milli-QR water to yield solution with final volume of 2 L
No need to pH, filter, or degas
Dilute to 1X for running SDS-PAGE gels

10X PBS

[NaCl]: 1.37 M
[KCl]: 27 mM
[Na₂HPO₄]: 100 mM
[KH₂PO₄]: 18 mM
For 1 L:
80 g NaCl
2 g KCl
17.8 g Na₂HPO₄•2H₂O (FW: 177.99 g/mol)
2.45 g KH₂PO₄ (FW: 136.09 g/mol)
Add to 900 mL of Milli-QR water and adjust pH to 7.4.
Add Milli-QR water to final volume of 1 L.

Transfer buffer 10X

[Tris]: 250 mM
[Glycine]: 1.9 M
[SDS]: 17 mM, 0.5% (w/v)
For 500 mL:
15.2 g Tris base (FW: 121.1 g/mol)
72.1 g glycine
2.5 g sodium dodecyl sulfate (SDS)
Add Milli-QR water to final volume of 500 mL

Transfer buffer 1X

Make fresh each time
For 500 mL:
50 mL 10X transfer buffer
100 mL methanol
Add Milli-QR water to final volume of 500 mL

SDS-PAGE CoomassieR staining solution

[CoomassieR Blue R-250]: 3.0 mM
[Methanol]: 50% (v/v)
[Acetic acid]: 1.74 M, 10% (v/v)
For 500 mL:
1.25 g CoomassieR Blue R-250
225 mL methanol
225 mL Milli-QR water
50 mL glacial acetic acid

SDS-PAGE destaining solution

[Methanol]: 30% (v/v)
[Acetic acid]: 1.74 M, 10% (v/v)
For 1 L:
300 mL methanol
100 mL glacial acetic acid
600 mL Milli-QR water

mPAGE MES SDS Running Buffer

[Tris]: 50 mM
[MES]: 50 mM
[SDS]: 0.1%, 3.5 mM
[EDTA]: 1 mM
For 1000 mL:
6.06 g Tris base (FW: 121.1 g/mol)
9.76 g 2-(N-Morpholino) ethanesulfonic acid (MES)
1.0 g sodium dodecyl sulfate (SDS)
0.3 g Ethylenediaminetetraacetic acid (EDTA)
Dissolve in 900 mL Milli-QR water and mix well. Add
Milli-QR water to a final volume of 1 L. Do not adjust pH.

mPAGE MOPS SDS Running Buffer

[Tris]: 50 mM
[MOPS]: 50 mM
[SDS]: 0.1%, 3.5 mM
[EDTA]: 1 mM
For 1000 mL:
6.06 g Tris base (FW: 121.1 g/mol)
10.46 g 3-(N-morpholino) propanesulfonic acid (MOPS)
1.0 g sodium dodecyl sulfate (SDS)
0.3 g Ethylenediaminetetraacetic acid (EDTA)
Dissolve in 900 mL Milli-QR water and mix well. Add
Milli-QR water to a final volume of 1 L. Do not adjust pH.

mPAGE 1X Transfer Buffer, pH 8.2, for Wet Transfer

[Tris]: 25 mM
[Bicine]: 25 mM
[Methanol]: 10%
For 1000 mL:
3.0 g Tris base (FW: 121.1 g/mol)
4.08 g N,N-Bis(2-hydroxyethyl)glycine (Bicine)
100 mL methanol
Combine and mix well. Add Milli-QR water to final
volume 1000 mL. Do not adjust pH.

**mPAGE 4X LDS Sample Buffer**

[Tris-HCl]: 424 mM
 [Tris]: 564 mM
 [LDS]: 8%, 294 mM
 [EDTA]: 2.07 mM
 [Glycerol]: 40%, 4.34 M
 [CoomassieR Blue G250]: 0.88 mM
 [Phenol Red]: 0.7 mM
 For 10 mL:
 0.666 g Tris-HCl (FW: 157.60 g/mol)
 0.682 g Tris base (FW: 121.1 g/mol)
 0.800 g Lithium dodecyl sulfate (LDS)
 0.006 g Ethylenediaminetetraacetic acid (EDTA)
 3.2 mL Glycerol
 0.75 mL 1% CoomassieR Blue G250 solution
 0.25 mL 1% Phenol Red solution
 Combine and add Milli-QR water to final volume
 10 mL. Store at 2-8 ° C. The pH of the 1X solution is
 8.5. Do not adjust pH with acid or base

mPAGE Transfer Buffer (with Methanol), pH 8.2, for Semi-Dry Transfer

[Tris]: 50 mM
 [Bicine]: 50 mM
 [Methanol]: 10%
 For 500 mL:
 3.0 g Tris base (FW: 121.1 g/mol)
 4.08 g N,N-Bis(2-hydroxyethyl)glycine (Bicine)
 50 mL methanol
 Combine and mix well. Add Milli-QR water to final
 volume 500 mL. Do not adjust pH.

mPAGE Gel Equilibration Buffer, pH 8.2, for Semi-Dry Transfer

[Tris]: 50 mM
 [Bicine]: 50 mM
 For 500 mL:
 3.0 g Tris base (FW: 121.1 g/mol)
 4.08 g N,N-Bis(2-hydroxyethyl)glycine (Bicine)
 Dissolve in 450 mL of Milli-QR water and mix well.
 Add Milli-QR water to final volume 500 mL. Do not
 adjust pH.

Tris- Glycine PAGE

Resolving Gel (10 mL)

Gel %	Water (mL)	30% acrylamide (mL)	1.5 M Tris-HCl, pH 8.8 (mL)	SDS (μL) 10% w/v	APS (μL) 10% w/v	TEMED (μL)
8%	4.6	2.7	2.5	100	100	10
10%	4	3.3	2.5	100	100	10
12%	3.3	4	2.5	100	100	10
15%	2.3	5	2.5	100	100	10

Stacking Gel (5 mL)

Gel %	Water (mL)	30% acrylamide (mL)	0.5 M Tris-HCl, pH 6.8 (mL)	SDS (μL) 10% w/v	APS (μL) 10% w/v	TEMED (μL)
5%	2.2	0.83	1.25	50	50	5

Bis-Tris PAGE

Resolving Gel (10 mL)

Gel %	Water (mL)	30% acrylamide (mL)	1.0 M Bis-Tris, pH 6.8 (mL)	SDS (μL) 10% w/v	APS (μL) 10% w/v	TEMED (μL)
8%	4.68	2.67	2.5	100	100	5
10%	4.01	3.33	2.5	100	100	5
12%	3.34	4	2.5	100	100	5
15%	2.34	5	2.5	100	100	5

Stacking Gel (5 mL)

Gel %	Water (mL)	30% acrylamide (mL)	0.5 M Bis-Tris, pH 6.4 (mL)	SDS (μL) 10% w/v	APS (μL) 10% w/v	TEMED (μL)
5%	3.175	0.5	1.25	100	50	5

Native-PAGE (disc-PAGE)

Resolving Gel (10 mL)

Gel %	A solution (mL)	B solution (mL)	Water (mL)	10% APS (μL)	TEMED (μL)
5%	1.65	2.5	5.8	100	10
7.50%	2.5	2.5	4.95	100	10
10%	3.3	2.5	4.15	100	10
12.50%	4.15	2.5	3.3	100	10
15%	5	2.5	2.45	100	10
20%	6.7	2.5	0.75	100	10

Stacking Gel (5 mL)

Gel %	A solution (mL)	C solution (mL)	Water (mL)	10% APS (μL)	TEMED (μL)
4%	0.66	1.24	3	50	5

A solution**30% Acrylamide/ Bis**

Acrylamide 29.2 g
 Bis-acrylamide 0.8 g
 Water add to 100 mL

B solution**1.5 M Tris-HCl (pH 8.8)**

Tris 18.16 g
 TEMED 0.36 mL
 Water add to 100 mL
 HCl add to pH 8.8

C solution**0.5 M Tris-HCl (pH 6.8)**

Tris 3 g
 TEMED 0.2 mL
 Water add to 50 mL
 HCl add to pH 6.8

WB 總表

流程	貨號	品名	備註
Protein Extraction	20-188	RIPA LYSIS BUFFER 10 X 100 ML	All
	71186	Yeast Buster Protein Extraction Reagent	Yeast cells
	71187	Insect PopCulture® Reagent	Insect cell
	PE0230-1KT	Plant Total Protein Extraction Kit	Plant
	71456	BugBuster® Master Mix with Benzonase Nuclease and rLysozyme Solution	Gm+ / Gm- bacteria
	70584	BugBuster® Protein Extraction Reagent	
	70923	BugBuster® (primary amine-free) Extraction Reagent	
	71009	CytoBuster™ Protein Extraction Reagent	cytoplasmic protein
	2900	Nuclear Extraction Kit	cytoplasmic protein & nuclear protein
	MIT1000	Mitochondria Isolation Kit	cytoplasmic protein & mitochondria
	444810-1KITCN	ProteoExtract® Native Membrane	membrane protein
	71772-3CN	ProteoExtract® Transmembrane Protein Extraction Kit	trans-membrane protein
	2145	Compartment Protein Extraction Kit	cytoplasmic, nuclear, membrane and cytoskeleton protein
	71296	PhosphoSafe™ Extraction Reagent	Benzonase 移除 DNA, RNA 干擾，增加蛋白產量
	70664	Benzonase® Nuclease, Purity > 99%	
	70746	Benzonase® Nuclease, Purity > 90%	
	71205	Benzonase® Nuclease HC, Purity > 90%	
	71206	Benzonase® Nuclease HC, Purity > 99%	
	E1014	Benzonase® Nuclease	
	1.01695.0001	Benzonase® (GMP Grade)	
	1.01654.0001	Benzonase®	
	71110	rLysozyme™ Solution	Lysozym
	71412	Chicken Egg White Lysozyme Solution, 10 mg / mL	
Inhibitor	524625	Phosphatase Inhibitor Cocktail Set II; 100X	磷酸化蛋白用
	524629	Phosphatase Inhibitor Cocktail Set V; 50X	
	495604	Okadaic Acid, Prorocentrum sp	
	208851-10UG	Calyculin A, Discodermia calyx	
	567540-5GMCN	Sodium Orthovanadate	
	539131	Protease Inhibitor Cocktail Set I; 100X	一般蛋白用
	539134	Protease Inhibitor Cocktail Set III, EDTA-Free; 100-2000X	
	539137	Protease Inhibitor Cocktail Set V, EDTA-Free; 100X	
	4693116001	cOmplete™ Protease Inhibitor Cocktail; Tablet/ 50 mL	
	4693132001	cOmplete™, EDTA-free Protease Inhibitor Cocktail; Tablet/ 50 mL	
Protein Quantitative	52332	Phenylmethylsulfonyl Fluoride; PMSF	不含 BSA
	101500	AEBSF, Hydrochloride	
	71285-3CN	BCA Protein Assay Kit	
Protein Marker	B6916-500ML	Bradford Reagent	TR / Bis-Tris gel system
	12657	Albumin, Bovine Serum, Fraction V, Crystalline	
	PMX11-0500	NEXT 11 Prestained Protein Ladder (11-250 kDa)	
PAGE	MPSTD4	mPAGE® Color Protein Standard (10-203 kDa)	Bis-Tris gel system
	MPSTD3	mPAGE® Unstained Protein Standard (10-200 kDa)	
	10687	Acrylamide/Bis Solution, 29:1, (30 % w/v) ; 500 mL, 4 x 500 mL, 1 L	Acrylamide / Bis
	10688	Acrylamide/Bis Solution, 37.5:1, (30 % w/v) ; 500 mL, 4 x 500 mL, 1 L	
	TMKIT	TurboMix™ Bis-Tris Polyacrylamide Gel Casting Kit	
	TMRES-216ML	TurboMix™ Resolving Solution, 216 mL	TurboMix
	TMSTK-120ML	TurboMix™ Stacking Solution, 120 mL	
	MP41G10/12/15	mPAGE® 4-12% Bis-Tris Precast Gel, 10X8, 10 well, 12 well, 15 well	
	MP42G10/12/15	mPAGE® 4-20% Bis-Tris Precast Gel, 10X8, 10 well, 12 well, 15 well	mPAGE® 預鑄膠片
	MP81G10/12/15	mPAGE® 8-16% Bis-Tris Precast Gel, 10X8, 10 well, 12 well, 15 well	
	MP8W10/12/15	mPAGE® 8% Bis-Tris Precast Gel, 10X8, 10 well, 12 well, 15 well	
	MP10W10/12/15	mPAGE® 10% Bis-Tris Precast Gel, 10X8, 10 well, 12 well, 15 well	
	MP12W10/12/15	mPAGE® 12% Bis-Tris Precast Gel, 10X8, 10 well, 12 well, 15 well	
	MPTA	Adapters for mPAGE® gels when using XCell SureLock® and other compatible electrophoresis tanks	mPAGE® 配件
	MPBD	When running a single gel, the buffer dam can be used to occupy space in the electrophoresis tank normally taken by another gel.	
	MPC0	Tool for opening mPAGE® gel cassettes	
	LUXCSYS-1M/75M/15M-US	mPAGE® Lux Casting System, 1 mm / 0.75 mm / 1.5 mm	光聚合凝膠系統



流程	貨號	品名	備註
buffer	A3678-100G	Ammonium persulfate; APS	buffer
	T9281	N,N,N',N'-Tetramethyl ethylenediamine; TEMED	
	L3771-500G	Sodium n-Dodecyl Sulfate; SDS	
	7990CN	Sodium dodecyl sulfate solution; SDS	
	648310	Tris Base, Molecular Biology	
Electrophoresis & Transfer	70607-3	4X SDS Sample Buffer	includes DTT
	MPSB	mPAGE® 4X LDS Sample Buffer	Bis-Tris system
	MPMES	MES SDS running buffer powder, 5ea, 1 ea / 1 L	
	MPM0PS	MOPS SDS running buffer powder, 5ea, 1 ea / 1 L	
	1.06009	Methanol for analysis EMSURE® ACS, ISO, Reag. Ph Eur	
	63689	2-MercaptoethanolBioUltra, for molecular biology	
	43816	DL-Dithiothreitol solutionBioUltra, for molecular biology; DTT	染 gel , 確認跑膠效果
	1.12553.0025	COOMASSIE BRILLIANT BLUE R 250 (C.I. 426	
	G1041-500ML	EZBlue™ Gel Staining Reagent	
	RSB-1L	ReadyBlue Stain	
	PROTSIL1-1KT	ProteinSilver Stain	
	SCT145	EZFluor™ 1-step Fluorescent Protein Gel Stain (4L)	染膜 , 確認轉漬效果
	SCT147	EZFluor™ UV 1-step Fluorescent Protein Gel Stain (1L)	
	1.14275.0010	PONCEAU S (C.I. 27195) FOR ELECTROPHORESIS	
	MPTRB	Transfer buffer powder for use with mPAGE® Bis-Tris gels, 10 ea (Each packets makes 1 liter of transfer buffer at 1X)	
	524750-1EA	TBS Tablets	
	524753-1EA	TBS-TWEEN® Tablets	Wash buffer
	655204-100ML	TWEEN-20 Detergent, Molecular	
	GCR2	mPAGE® Gel Caster	鑄膠台
	MGCK-10M/75M/15M	mPAGE® Gel Casting Device Kit, 1 mm/ 0.75 mm/ 1.5 mm	鑄膠台全配合玻璃
	MGT-2	mPAGE® Mini Gel Tank, 兩片膠	電泳槽
	MGT-4	mPAGE® Mini Gel Tank, 四片膠	
	MWTS	mPAGE® Mini Wet Transfer System, 兩片膠	轉漬槽
	C1M10W/15W	mPAGE® Combs 1.0 mm, 10 Well/ 15 Well, 5 pk	尺梳
	C75M10W/15W	mPAGE® Combs 0.75 mm, 10 Well/ 15 Well, 5 pk	
	C15M10W/15W	mPAGE® Combs 1.5 mm, 10 Well/ 15 Well, 5 pk	
	MSPA75	mPAGE® Mini Spacer Plates 0.75 mm, 5 pk	鑄膠玻璃片
	MSPA10	mPAGE® Mini Spacer Plates 1.0 mm, 5 pk	
	MSPA15	mPAGE® Mini Spacer Plates 1.5 mm, 5 pk	
	MSHRT	mPAGE® Mini Short Plates, 10 pk	小玻璃片
	GREL5	mPAGE® Gel Releasees, 5 pk	玻璃膠片分離小鏟子
	CPS1	mPAGE® Casting Plate Rack	玻璃片放置晾乾收納架
	MA700-US	mA700 Essential Power Supply (必備)	電源供應器
	MA400-US	mA400 Basic Power Supply (基本)	
Membrane	IPVH00010	Immobilon®-P 26.5 x 3.75 m Roll, PVDF, 0.45 µm	>20 kDa 蛋白用
	IPVH85R	Immobilon®-P, 8.5 cm x 10 m roll, PVDF, 0.45 µm	<20 kDa 蛋白用
	ISEQ00010	Immobilon®-P SQ 26.5 cm x 3.75m roll, PVDF, 0.22 µm	
	ISEQ85R	Immobilon®-PSQ, 8.5 cm x 10 m roll, PVDF, 0.22 µm	
	IPFL00010	Immobilon®-FL 26.5 cm x3.75m Roll, PVDF, 0.45 µm	螢光蛋白專用
	IPFL85R	Immobilon®-FL, 8.5 cm x 10 m roll, PVDF, 0.45 µm	
	IEVH00005	Immobilon®-E, 27 cm x 1.875 m, PVDF, 0.45 µm	免浸泡 Methanol
	IEVH85R	Immobilon®-E, 8.5 cm x 10 m roll, PVDF, 0.45 µm	
	HATF00010	Immobilon®- NC Transfer Membrane 33 cm x 3 m, 0.45 µm	NC
	HATF85R	Immobilon®-NC Transfer Membrane 8.5 cm x 10 m roll, 0.45 µm	
	IMDISP	Immobilon® NOW Dispenser	I-Now 收納盒
	IBFP0785C	Immobilon® Blotting Filter Paper	轉漬用濾紙
	IBFP0813C	Immobilon® Blotting Filter Paper	
Blocking	126575	Albumin, Bovine Serum, Fraction V, Fatty Acid-Free	BSA
	WBAVDCH01	bløk - CH Chemiluminescent Blocker 500 mL	一般蛋白用
	WBAVDPO01	bløk - PO Phosphoprotein Blocker, 500 mL	磷酸化蛋白用
	WBAVDL01	bløk - FL Fluorescent Blocker, 500 mL	螢光蛋白用
Internal Control Ab & HRP 2nd Ab	MAB1501	Anti-Actin Antibody, clone C4	1st Ab
	MAB374	Anti-Glyceraldehyde-3-Phosphate Dehydrogenase Antibody, clone 6C5	
	05-661	Anti-β-Tubulin Antibody, clone AA2	
	05-829	Anti-α-Tubulin Antibody, clone DM1A	
	AP124P	Goat Anti-Mouse IgG Antibody, Peroxidase Conjugated, H+L	2nd Ab-HRP
	AP132P	Goat Anti-Rabbit IgG Antibody, Peroxidase Conjugated	
	AP136P	Goat Anti-Rat IgG Antibody, HRP conjugate	

WB 總表

流程	貨號	品名	備註
Signal Enhancer	407207-1KITCN	SignalBoost Immunoreaction Enhancer Kit	A for 1st Ab + B for 2nd Ab
	WBSH0500	Immobilon® Signal Enhancer for Immunodetection	單一瓶
Stripping buffer	2502	ReBlot Plus Mild Antibody Stripping Solution, 10x	
	2504	ReBlot Plus Strong Antibody Stripping Solution, 10x	
	2060	ReBlot Western Blot Recycling Kit	含 Blocking buffer
Substrate	WBKLS0500	Immobilon® Western Chemiluminescent HRP Substrate	傳統款
	WBULS0500	Immobilon® ECL Ultra Western HRP Substrate - 500mL	
	WBULP-100ML	Immobilon® ECL UltraPlus Western HRP Substrate	
	WBLUC0500	Immobilon® Classico Western HRP Substrate	預混款
	WBLUR0500	Immobilon® Crescendo Western HRP Substrat	
	WBLUF0500	Immobilon® Forte Western HRP Substrate	
SNAP i.d.® 2.0 Series	SNAP2MINI	SNAP i.d.® 2.0 Protein Detection System-Mini	2x Mini (7.5 x 8.4 cm)
	SNAP2MIDI	SNAP i.d.® 2.0 Protein Detection System-Midi	2x Midi (8.5 x 13.5 cm)
	SNAP2MB3	SNAP i.d.® 2.0 Protein Detection System-Double MultiBlot	2x MultiBlot (4.5 x 8.4 cm)
	SNAP2MM	SNAP i.d.® 2.0 Prot Detection Sys-Mini & Midi	1x Mini (7.5 x 8.4 cm)
			1x Midi (8.5 x 13.5 cm)
	SNAP2MB1	SNAP i.d.® 2.0 Protein Detection System-Mini & Multi	1x Mini (7.5 x 8.4 cm)
			1x MultiBlot (4.5 x 8.4 cm)
	SNAP2MB2	SNAP i.d.® 2.0 Protein Detection System-Midi & Multi	1x Midi (8.5 x 13.5 cm)
			1x MultiBlot (4.5 x 8.4 cm)
	SNAP2BHMN0100	SNAP i.d.® 2.0 Mini Blot Holders (100/pk)	Mini 專用膜
	SNAP2BHMD0100	SNAP i.d.® 2.0 Midi Blot Holders (100/pk)	Midi 專用膜
	SNAP2BHMB050	SNAP i.d.® 2.0 MultiBlot Holders (50/pk)	Multi 專用膜
	SNAP2FRMN01	SNAP i.d.® 2.0 Mini Blot Holding Frame (single pack)	Mini 框架
	SNAP2FRMN02	SNAP i.d.® 2.0 Mini Blot Holding Frames (double pack)	Midi 框架
	SNAP2FRMD01	SNAP i.d.® 2.0 Midi Blot Holding Frame (single pack)	Multi 框架
	SNAP2FRMD02	SNAP i.d.® 2.0 Midi Blot Holding Frames (double pack)	Multi 框架
	SNAP2FRMB01	SNAP i.d.® 2.0 MultiBlot Holding Frame (single pack)	Multi 框架
Detection	SNAPABTR	SNAP i.d.® 2.0 Antibody Collection Tray	抗體回收槽
	SNAP2RL	SNAP i.d.® 2.0 Blot Roller	滾輪
	XX6200006P	Filter forceps, blunt end, stainless steel	鑷子
	WP6110060	Chemical Duty Pump, 100 V/50–60 Hz	真空馬達
	XX1014705	Millipore Vacuum Filtering Side-Arm Flask;1L	三角錐形瓶 (側邊可接 pump)
	XX1014708	Millipore Stopper for Vacuum Filtration	錐形瓶塞口
Imaging Systems		Chemi Basic	影像分析系統
		Chemi & G	
		Chemi & GF	

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螢光差異凝膠電泳
(2D-DIGE)

蛋白質批次
品質檢測

生物製劑製程
HCPs 偵測

蛋白
轉譯後修飾

相關資訊，請洽當區業務