## **蛋白質定量** 測讀方式(不需 warm 燈源)



(2) Applications 下點選 Quantitative Analysis

A 12 2 1	° 🕅 🖻 🛞 ·	<b>(</b> )					
Setup	Applications	Life Sci	ience User	Methods	Help		
Quick Quick Read Scan	λ Fixed W Wavelength	Vavelengt Scan	Quantitative Analysis	inetics	Validation	Filter Schedule	
Quick Applications		Applica	ations		V	alidation	

(3) Acquire 下點選 Wavelength 後更改波長

😱 ) 🚰 🐼 X 🔣 😔 🐵 🕀	)	Method Tools		
Setup Applications	Life Science User Methods Help	Acquire Standards Samples		
Start Stop Take Acquisition Reference Complete	Bandwidth: 1 mm Wavelengths	Integration Time: 100 - ms Path Length: 10 mm - Lamp Mode: Pulse -	Enable: Wavelength: 620.0 the nm	Units: mg / mL
Control	Select measurement wavelengths	Settings 5	Background Correction	Concentration %
Quantitative Analysis	Wavelengths: 1 1: 595.0 3			

(4)掀開儀器上蓋,將上、下方槽1號位置各放一管 blank



## (5) 蓋起後點選「Take Reference」

		i λ° №	<del>)</del> 😣 -1	( <u>&amp;</u> 4			Method Tools						
$\sim$	Set	up Appli	cations	Life Science	User Methods	Help	Acquire Star	ndards	Samples				
Start	Stop	- H+ Take Reference	cquisition complete	Wavelengths	Bandwidth: 1 -	nm	Integration Time: Lamp Mode:	100 ÷ Pulse •	ms Path Length:	10 mm 🔹	Enable: Wavelength:	320.0 🕻 nm	Units: mol / I
		Control					Settings			5	Backgroun	d Correction	Concentration 19
Qu	antitat	ive Analysis	1										

## (6)接下來放入序列稀釋標準品 standard 方法如下:上方槽 blank 不可取出, 下方槽依序放入標準品



【Standard】Standards 下點選 Standards,更改跳出視窗中之標準瓶濃度

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Setup Applications Life Science	User Methods He	p Acquire	Standards	Samples
tandards tositions	e: Regression  Fo	rce through zero	Fit Impor	1.3 3.7 st Clear Coefficients
Select standard concentrations	Fitting			Data
Standards: 6 🛟				
1: 0.0000 t mg/mL 6: 16.0000 t n	ng/mL			
2: 1.0000 tmg/mL				
3: 2.0000 Cmg/mL				
4: 4.0000 🛟 mg/mL				
5: 8.0000 🛟 mg/mL				

(7) 點選 Acquire 項下的 start 鍵

	🚰 🗟 🎗 🔣 😁 🏐 🍜	•)	Method Tools				
0	Setup Applications	Life Science User Methods H	elp Acquire Sta	indards Samples			
General Start	Stop Take Acquisition Reference Complete	Bandwidth:	nm Integration Time Lamp Mode:	c 100 v ms Path Length: 10 r Pulse v	nm   Enable: Wavelengti	n. [620.0 ] nm	Units: mg/mL
	Control		Settings		5 Backgro	und Correction	Concentration G
Quar	ntitative Analysis						

跳出下方相對誤置及濃度提示,點選 close 即可畫出標準濃度曲線

D	Required Standard Positions
	Please check that the standards are loaded as below:
	1: Standard 1 (1E-06 mol / I)
	2: Standard 2 (1 mol / I)
	3: Standard 3 (2 mol / I)
	4: Standard 4 (4 mol / I)
	5: Standard 5 (8 mol / I)
	6: Standard 6 (16 mol / I)

(8) 視窗右方會出現 standards 數據結果,請注意圖中說明

				Concentration (mg / mL)
				Fit + Measured CURVE
Concentra 15.06	tion (mg / n	nL) Absorband	Voc	standards濃度·可點選mouse
1		-0.001	Yes	<b>右键</b> 土 除
2		-0.001	Yes	
4		-0.001	Yes	Repeat Measurement
8		-0.001	Yes	
16		-0.001	Yes	Include in Fit
Coefficient	t Value			
d	-5.51	可下	拉視	右側BAR·查看R2值
Chi2	53.96			啟用 Windows 📑
R2	0.104			移至[設定] 以敵用 Windows。

(9)做好上方標準曲線後,即將測讀樣本

sample 命名→點選 samples 欄後→點選 configure batch→點選 sample 數 →點選 OK 即設定完成

【註:可點選 sample Naming 改變命名方式及 sample positions 確認設定位置】



Samples	<del>191</del> 4		×
Sample00001			
Sample00002			
Sample00003			
Sample00004			
Sample00005			
Sample00006			
3		110.6	
3 Add Sample	A	dd Referer	nce
3 Add Sample	A I	dd Referer ] Delete	nce
3 Add Sample	A R	dd Referer ] Delete K Clear	nce

(10) 掀開儀器上蓋, 依定義將 sample 放入下方槽, 關閉上蓋並點選 Acquire 欄下 Start 鍵【注意: blank 不可取出】

Setup Applications Life Science User Methods H	Method Tools Help Acquire Standards Samples		
Start Stop Take Acquisition Reference Complete	nm Integration Time: 100 v ms Path Length: 10 mm v Lamp Mode: Pulse v	Enable: Wavelength: 620.0 ; nm	Units: mg / mL
Control	Settings	Background Correction	Concentration 🕞
Quantitative Analysis			



(12)【結束】點選右上角 X 鍵關閉軟體,燈源亦將隨著關閉

( & + 0 0 0 0 0 0 1 x 10 0	Method Tools		Datrys Life Science		1	σ	×
Setup Applications Life Science User Methods Help	Acquire Standards Samples						0.
Stop Take Acquisition Wivelengths	Integration Time: 100 - ms Path Length: 10 mm - Lamp Mode: Public - Settings	Diabres U Wevelengths 320.0 cm	Units: mol//				
stitative Analysis				Standards			Propertie

(13) 可選擇不儲存

Unsav	ed Data		×
	Unsaved Data		
	The document Quantitative data. Do you wish to save?	Analysis cont	tains unsaved
	Ves	No	Cancel

(14) 關閉儀器主機電源,請清理 cuvette 及桌面後即可離開