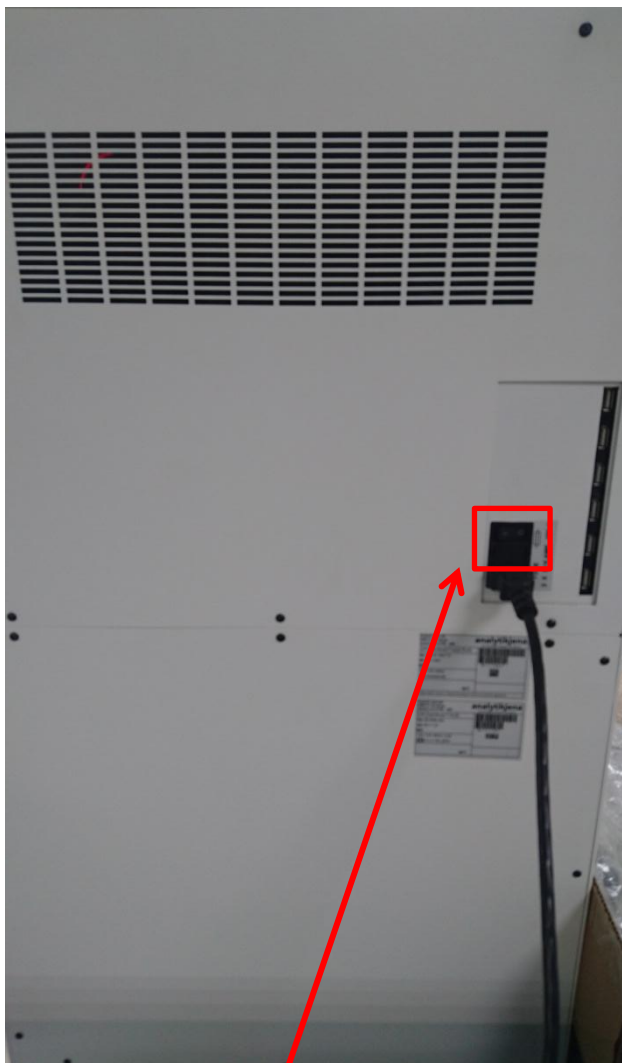


UVP ChemiStudio 中文操作手冊

進階生技公司

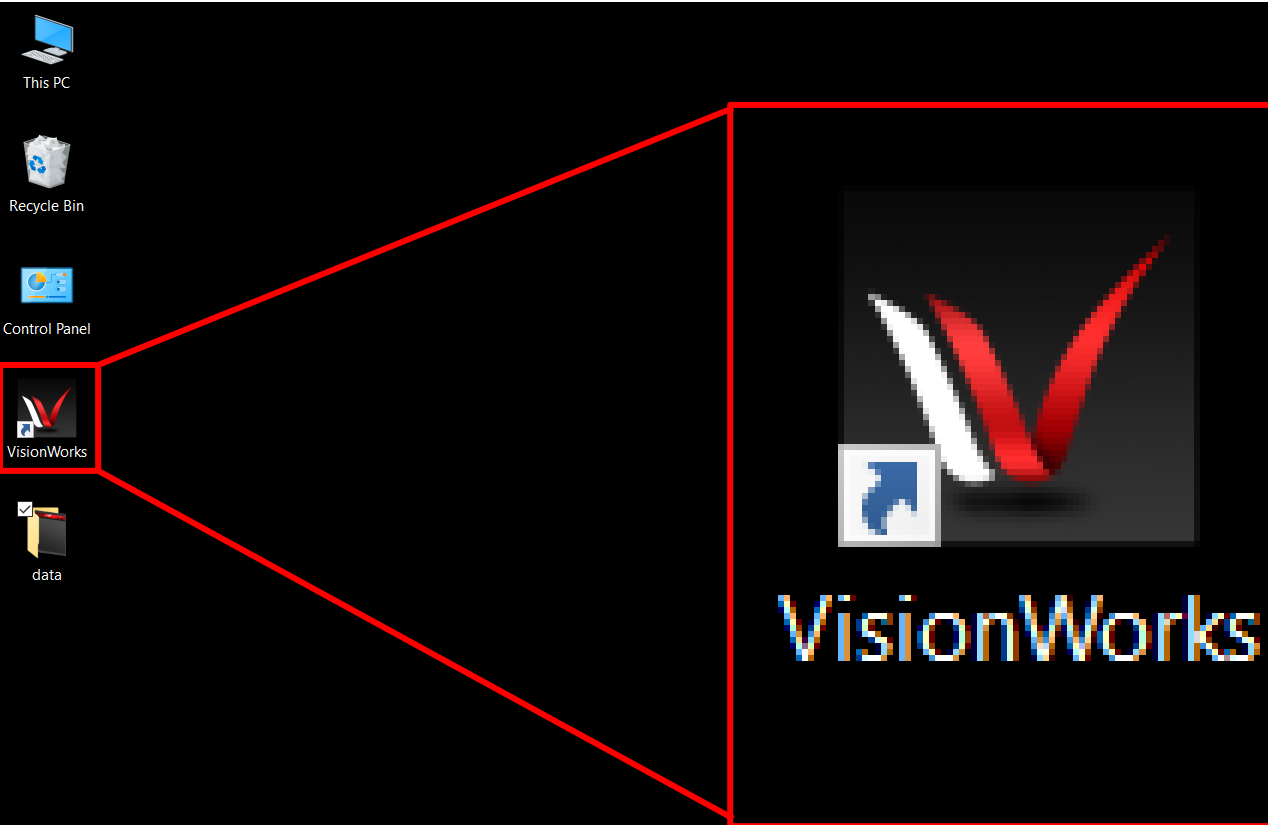




先開啟儀器總電源開關

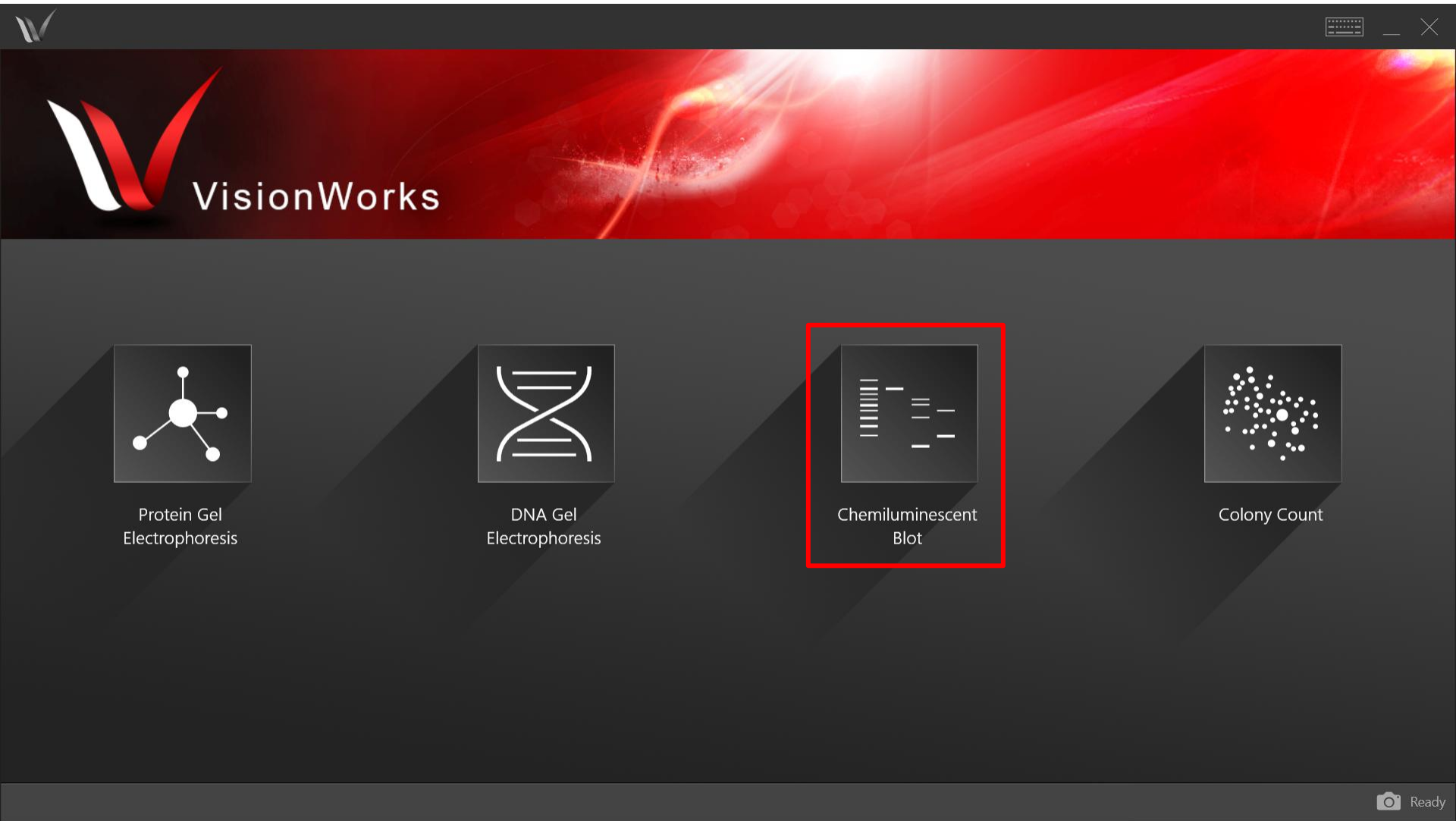


再開啟電腦開關



開啟VisionWork軟體

WB實驗請選擇Chemiluminescent Blot



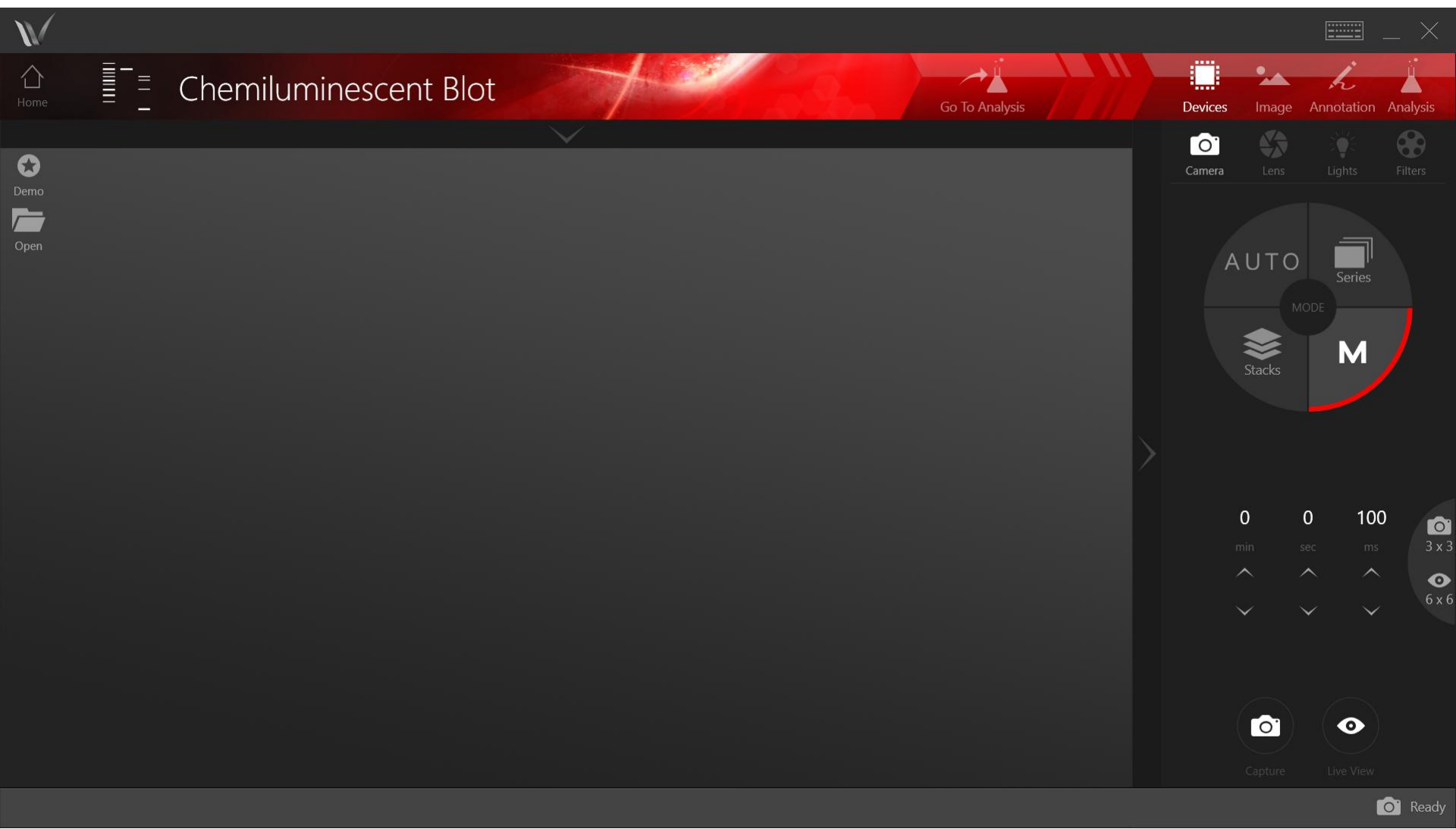
點選右側箭頭, 開啟功能鍵

The screenshot displays the VisionWorks software interface. The main window title is "Chemiluminescent Blot". The left sidebar contains navigation icons for Home, Demo, and Open. The top right corner has a "Go To Analysis" button and a "Actions" panel. The "Actions" panel is expanded, showing a list of actions with a search bar at the top. The actions listed are:

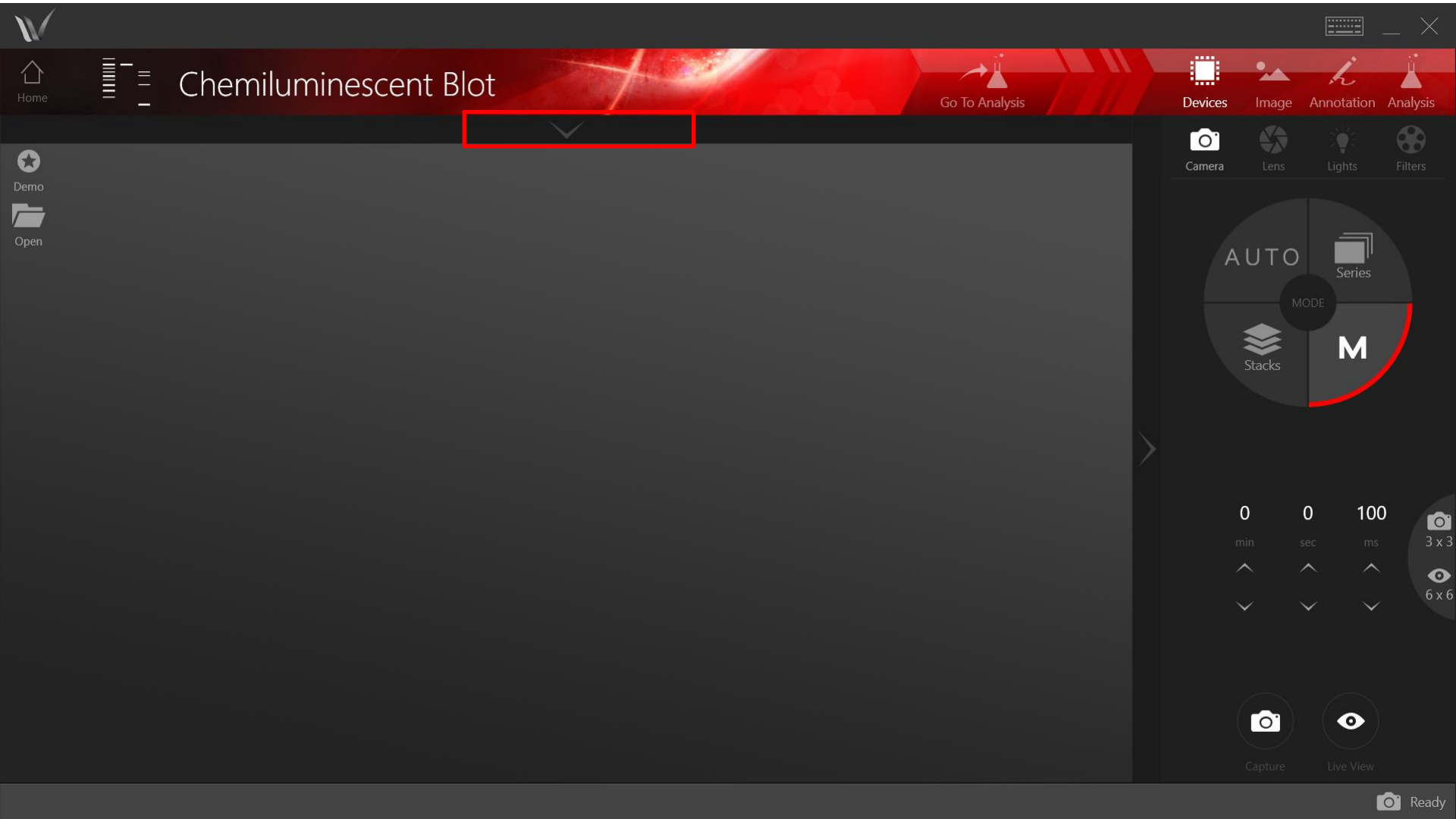
- VisionWorks Default
- AJ-Capture Chemi Image
- AJ-Chemi Image Compositing
- AJ-Invert Preview for Chemi Prot...
- AJ-White Light Capture
- AJ-White Light Preview

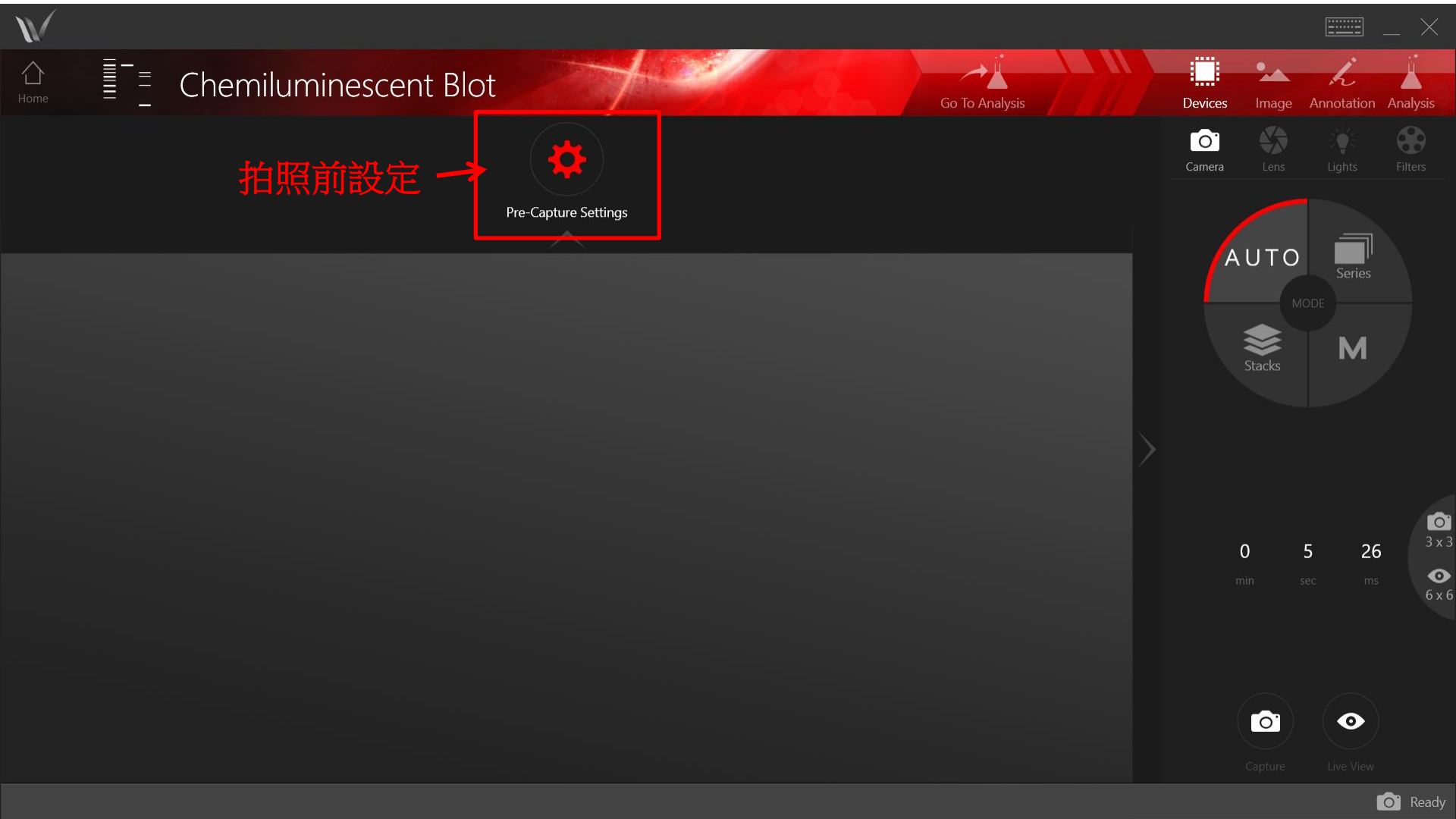
A red box highlights the right arrow icon next to the "AJ-White Light Preview" action, indicating the next step in the workflow.

操控介面

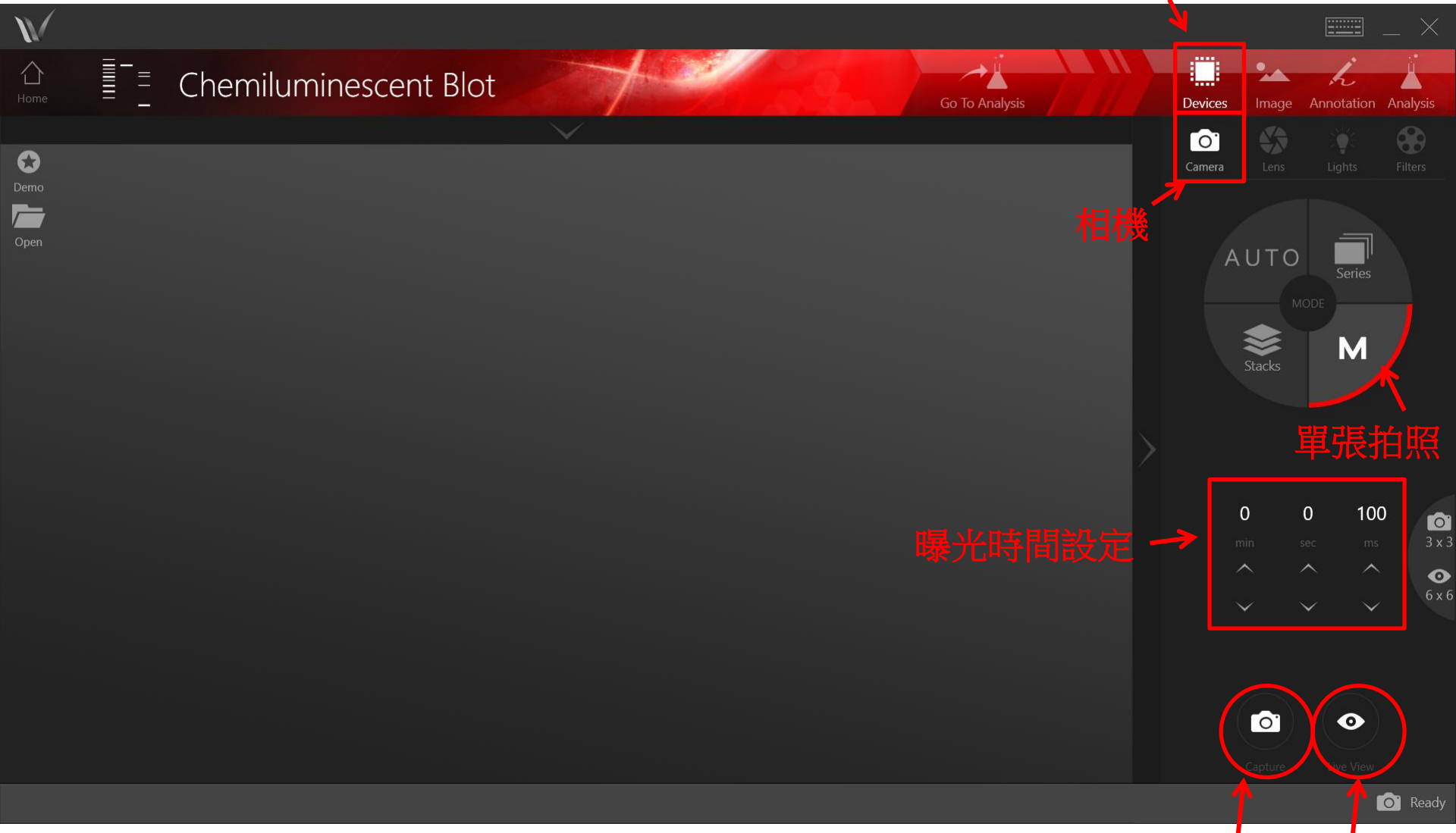


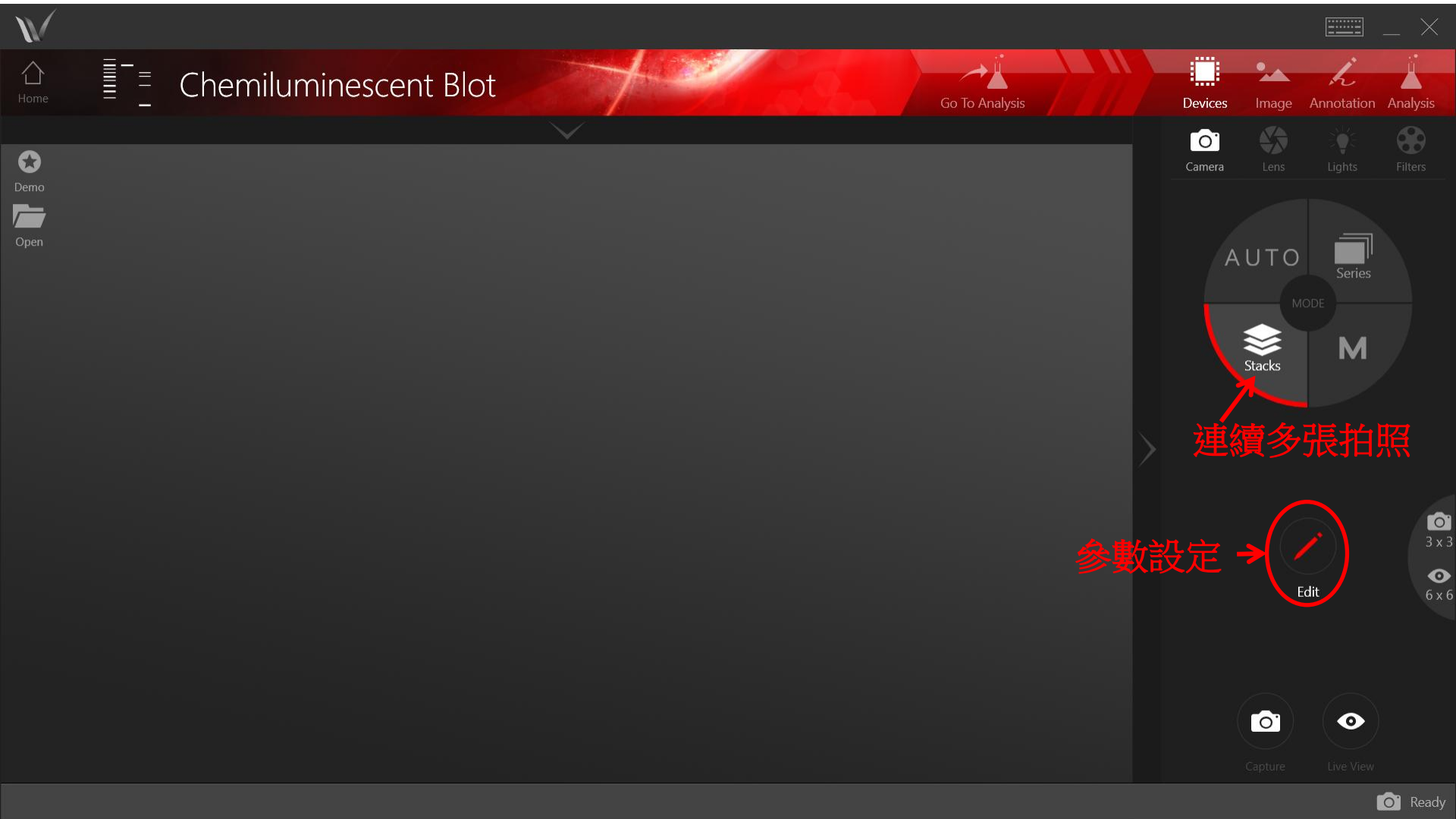
拍照參數說明

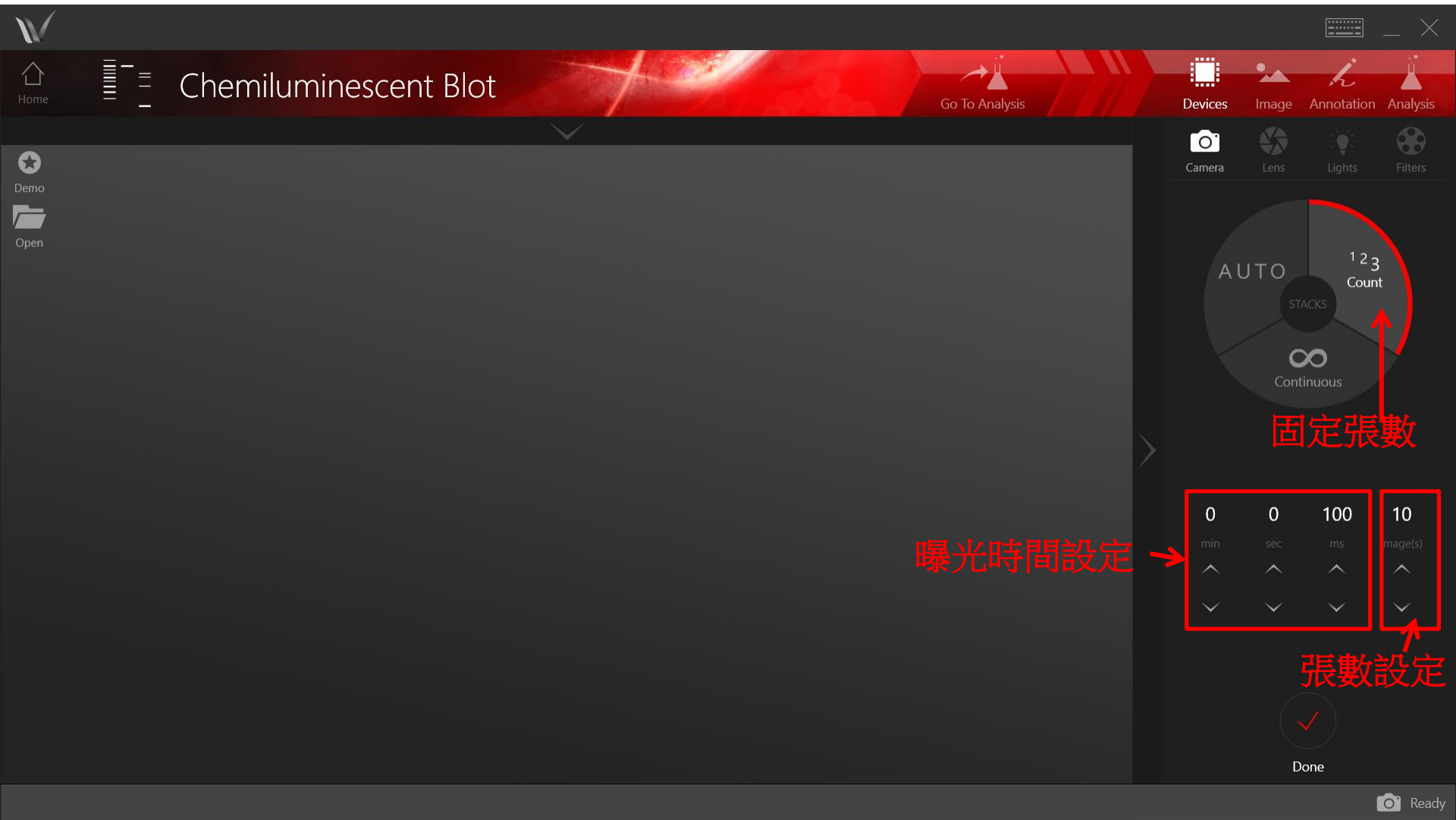


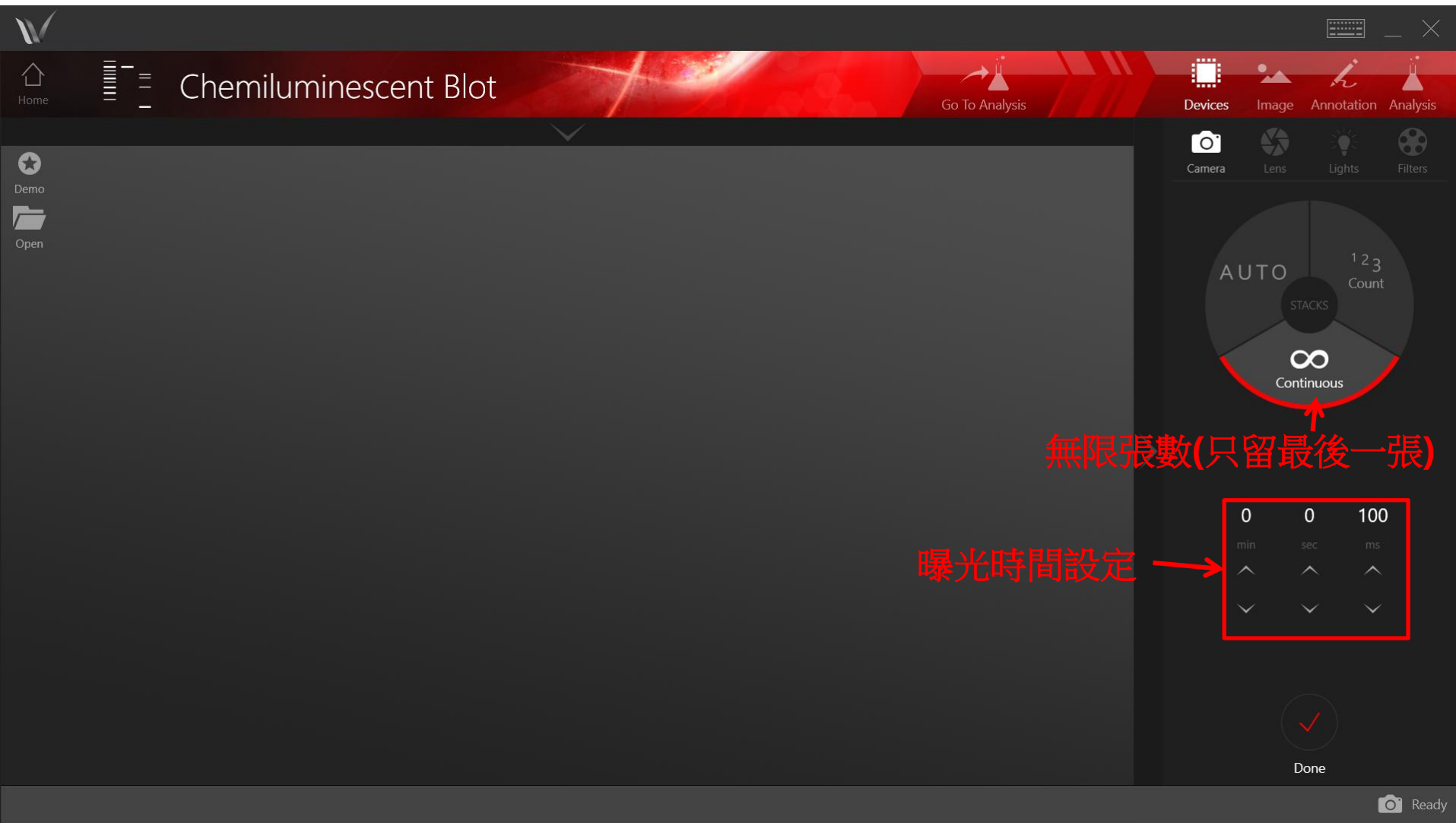


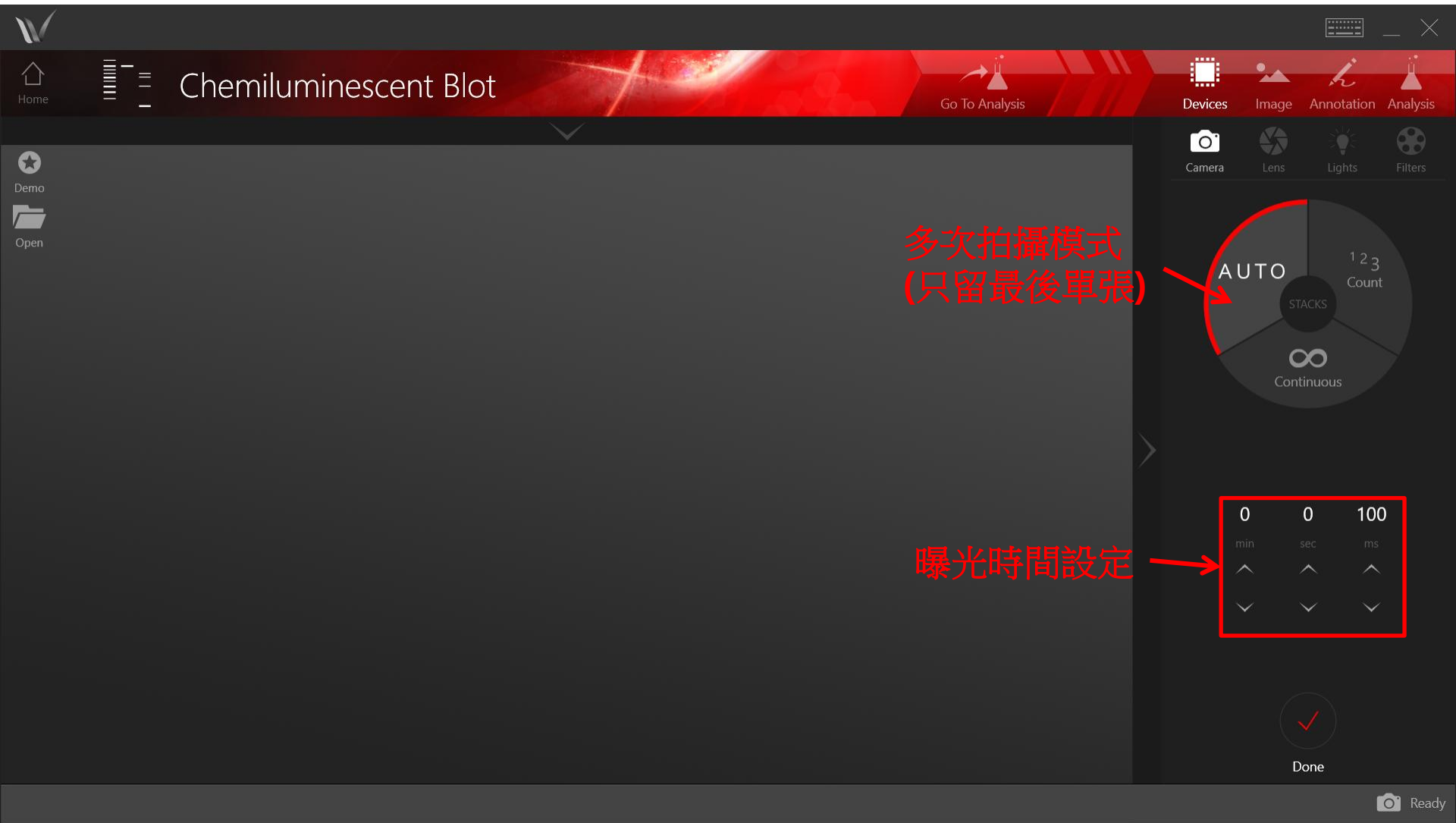


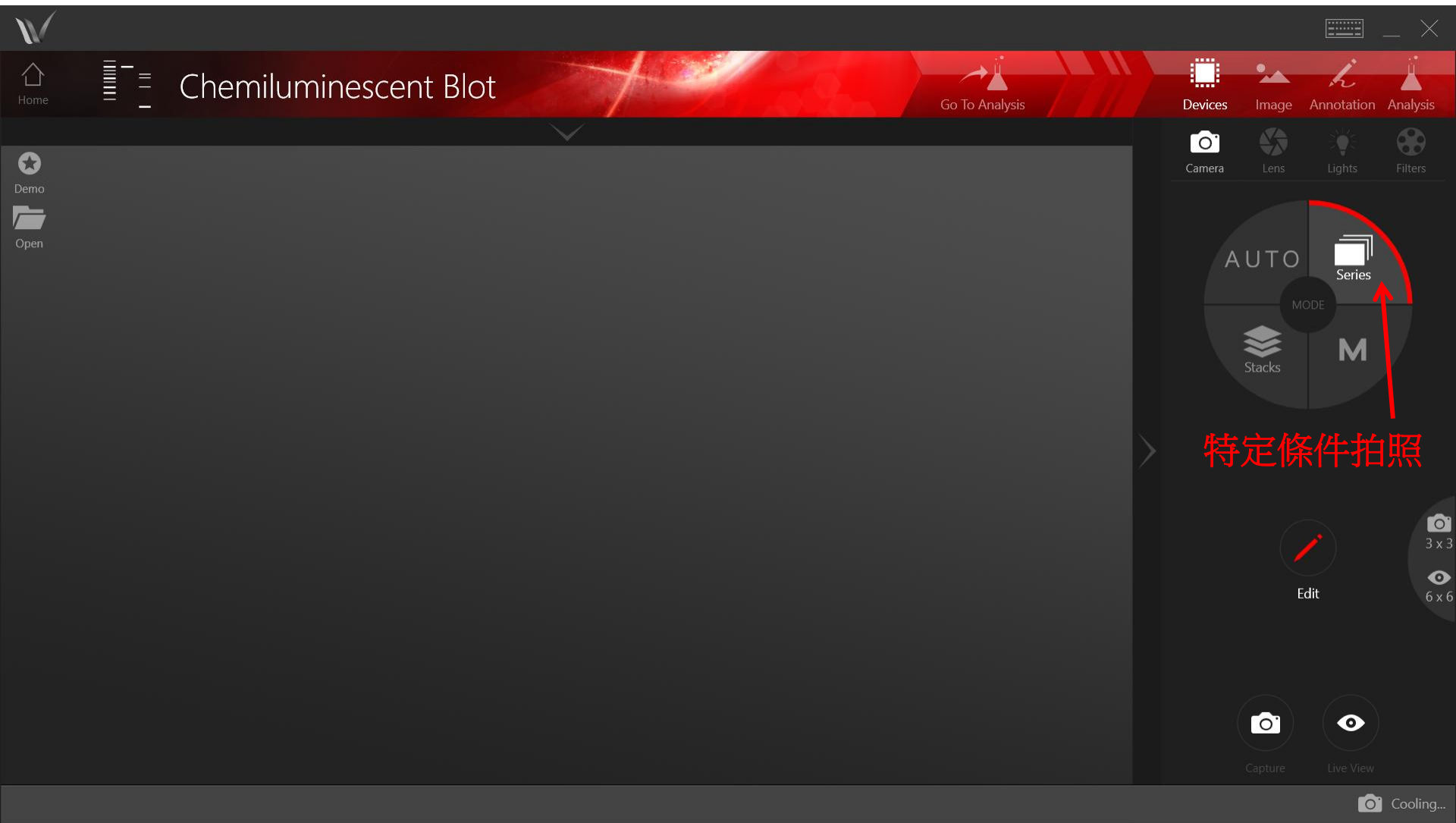










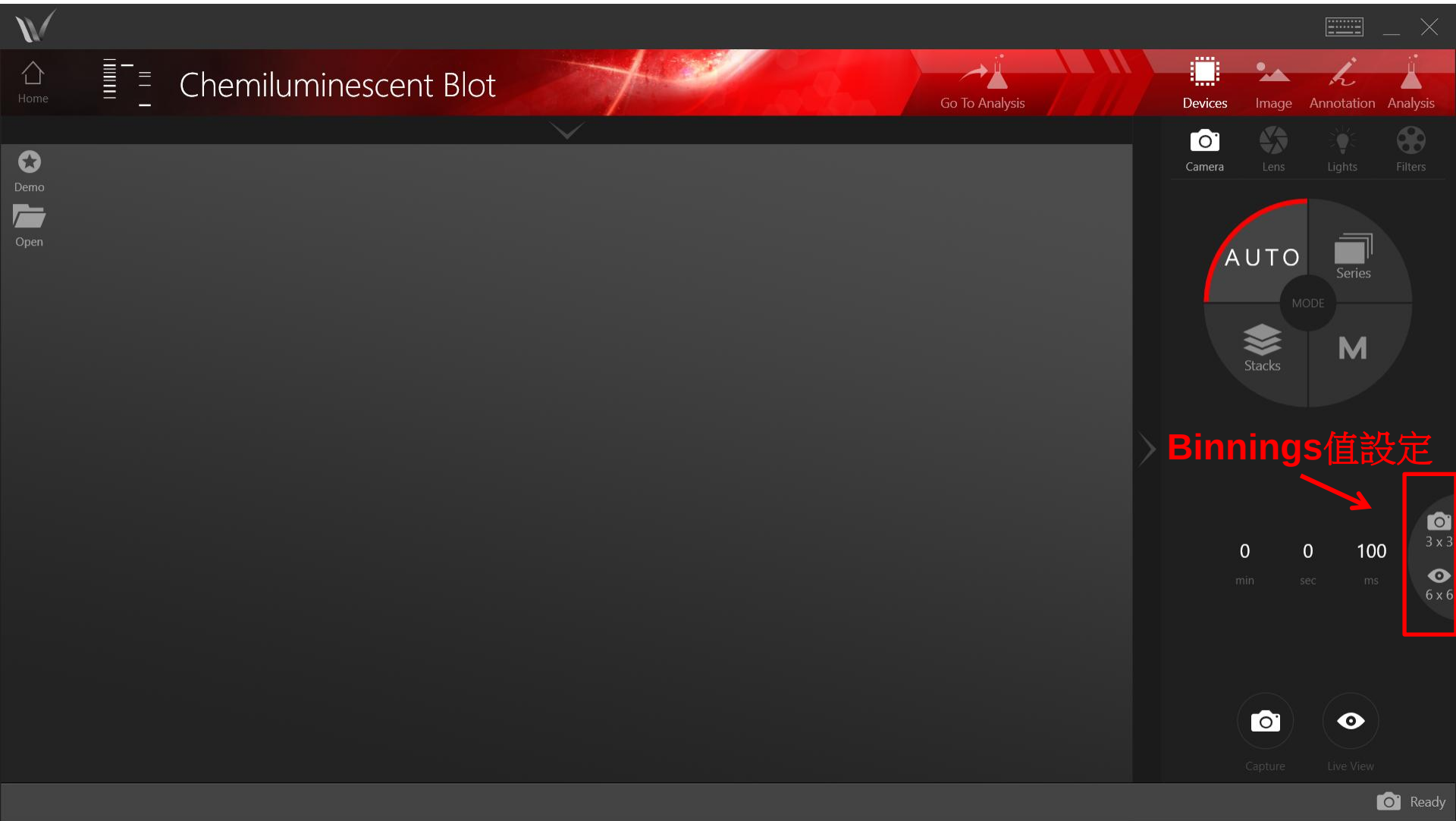


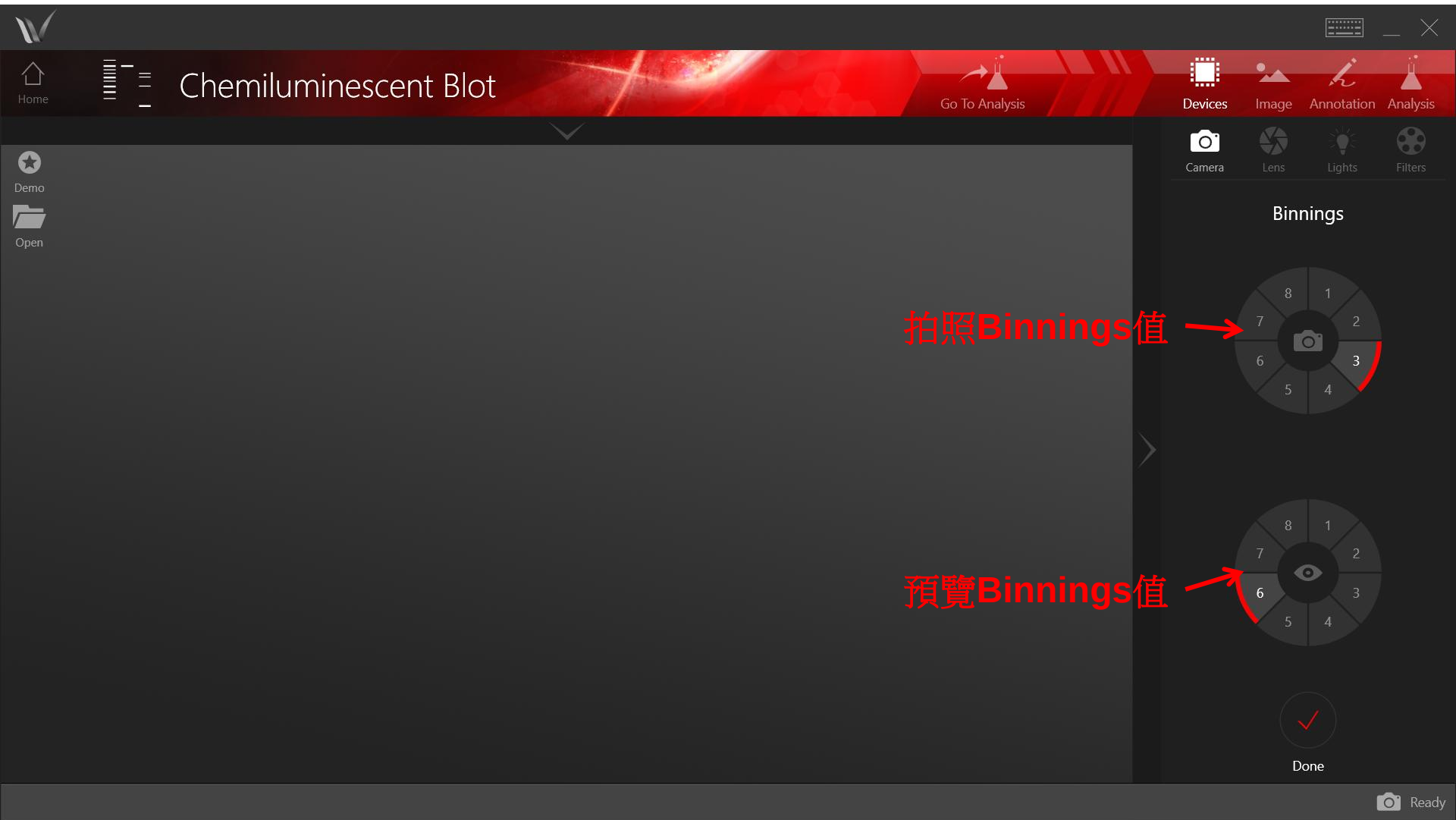


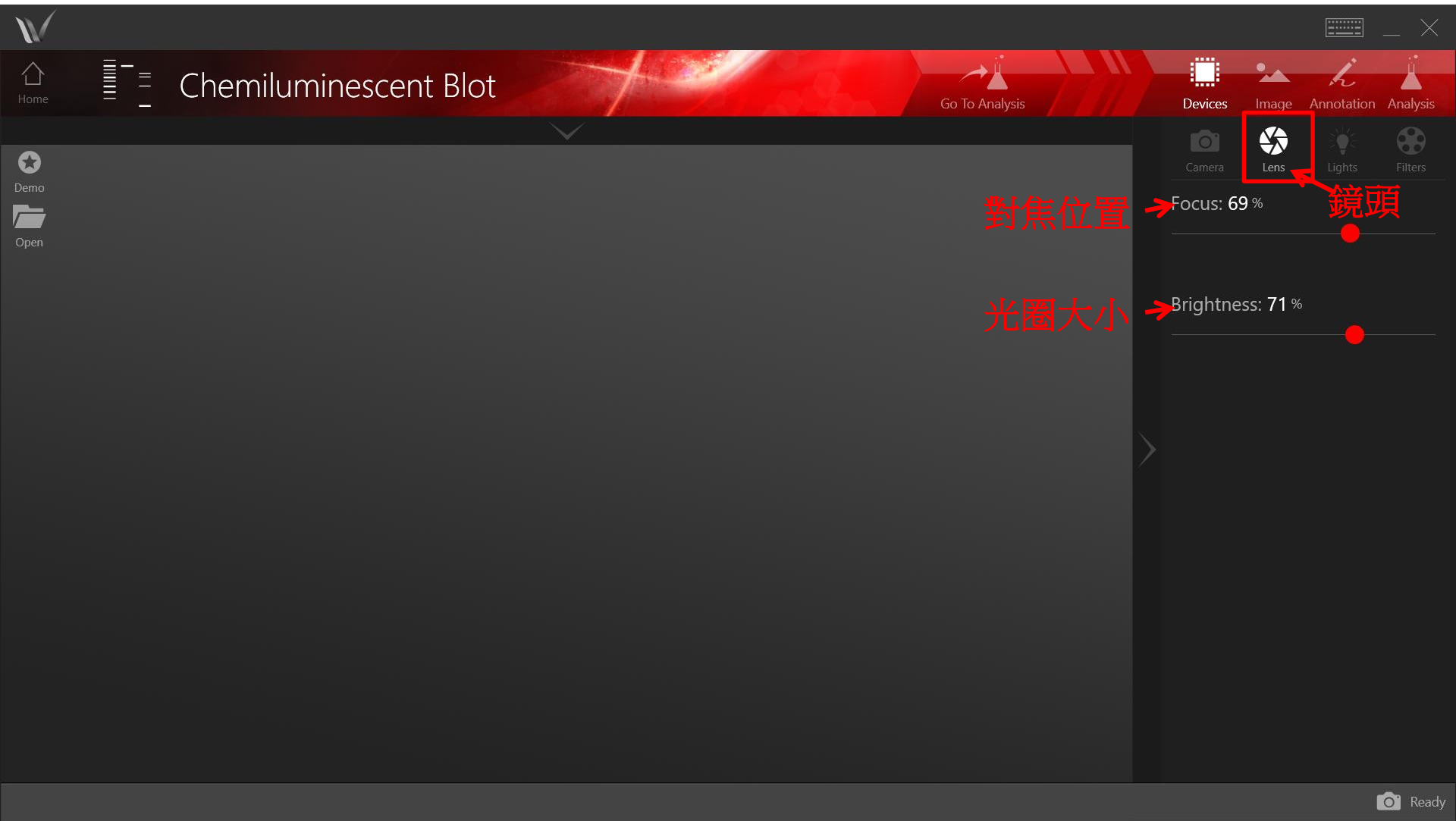
條件設定: 曝光時間, 暫停時間

	Exposure Time	Pause Time	
1	000 : 00.000	000 : 00.000	









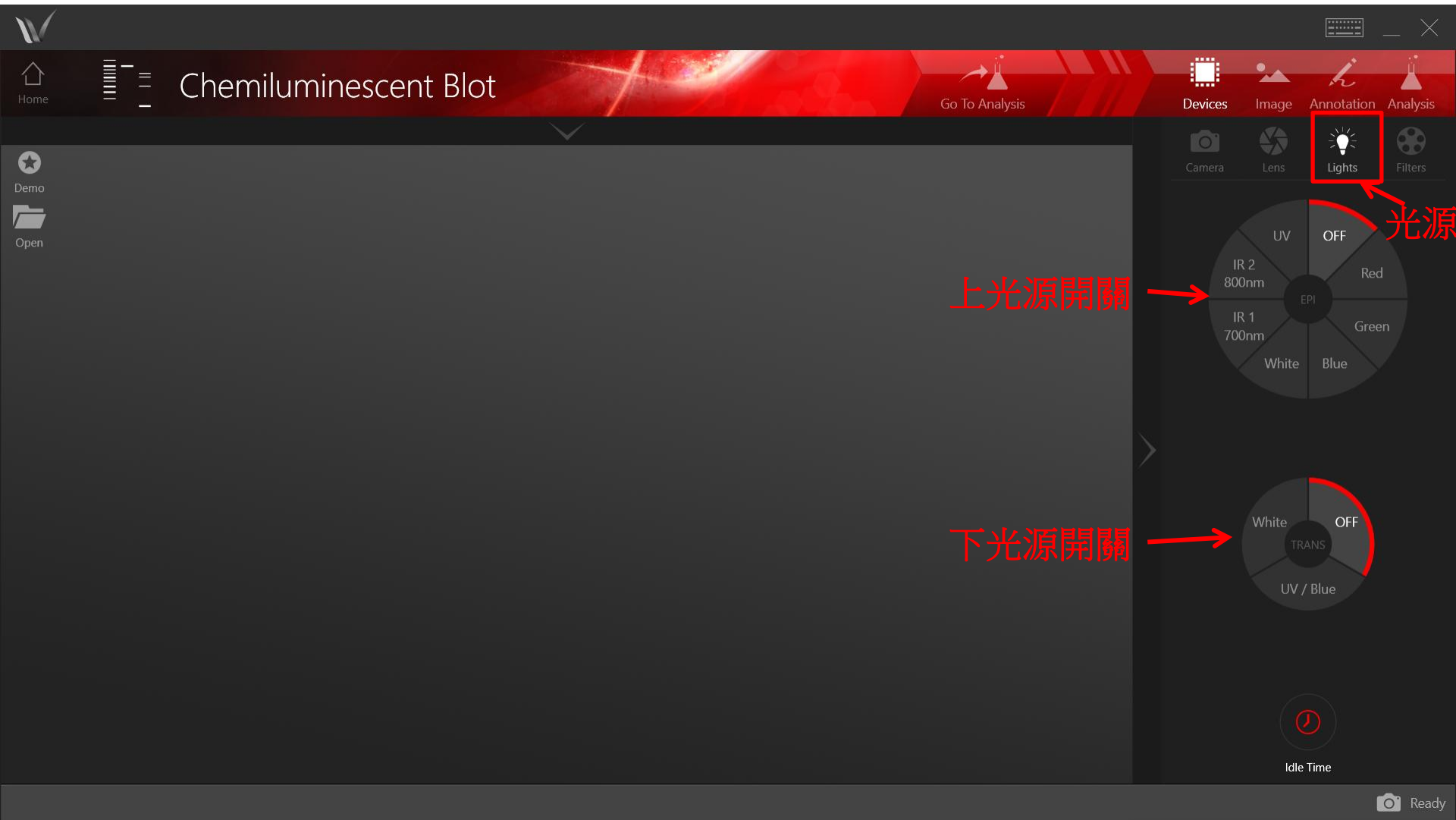
對焦位置

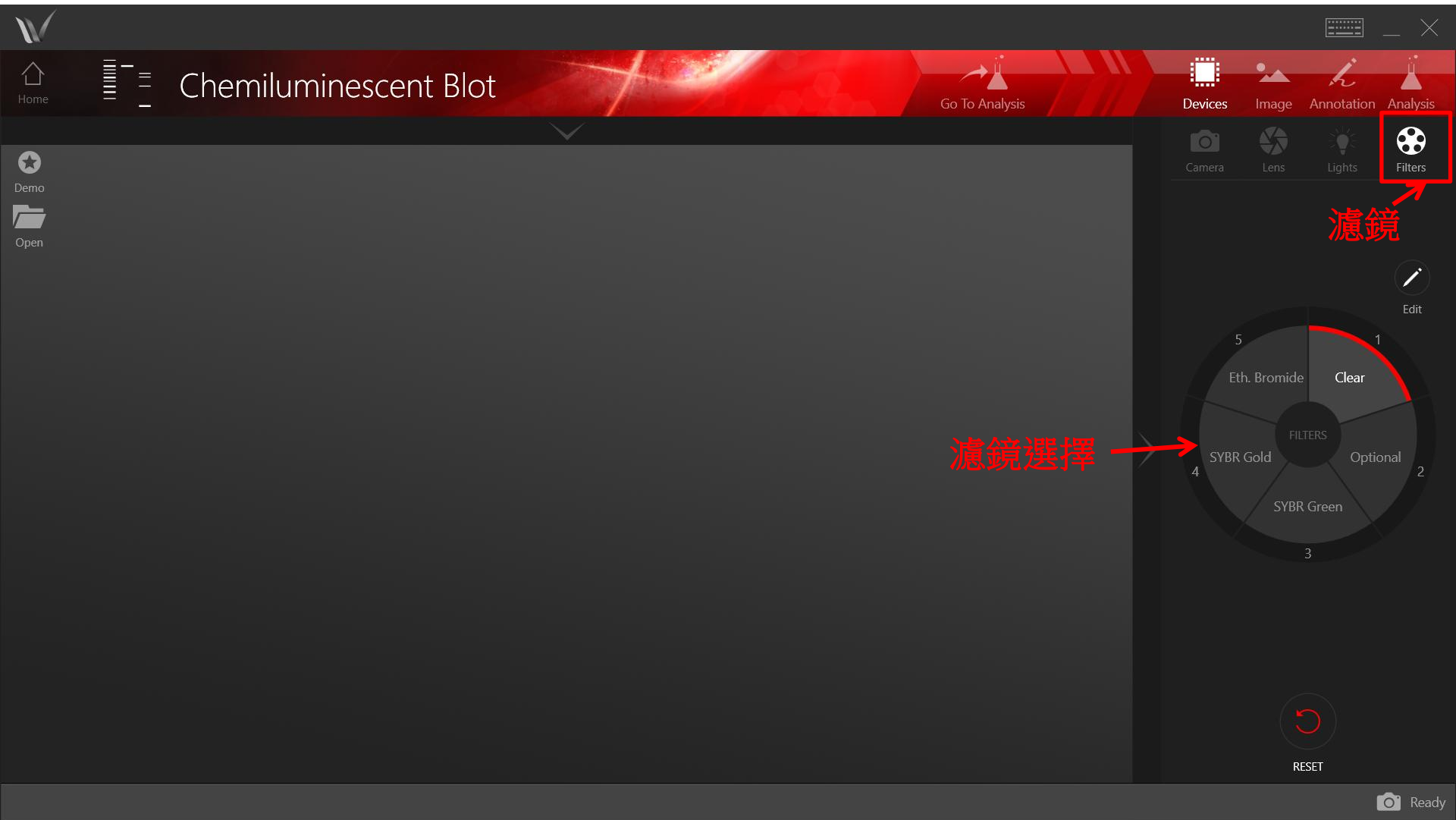
光圈大小

→ Focus: 69 %

→ Brightness: 71 %

鏡頭





拍照實例

1. 先預覽, 確定membrane位置, 並設定好拍照時的曝光時間

The screenshot displays the 'Chemiluminescent Blot' software interface. The main window shows a live camera feed of a blot with a ruler and a clock. The 'Intensity Range' is set from 2815 to 65535. The 'MODE' dial is set to 'M' (Manual). The 'EXPOSURE' settings are 0 min, 0 sec, and 26 ms. The 'Capture' button is highlighted with a red circle and labeled '預覽' (Preview). The 'Stop' button is also highlighted with a red circle and labeled '預覽' (Preview). The 'Go To Analysis' button is visible in the top right.

Intensity Range : 2815 - 65535

analytik

1cm 2 3 4 5 6 7 8 9 10 11 12 13 14

1 2 3 4 5

12 3 6 9

0 min 0 sec 26 ms

↑ ↓

↑ ↓

↑ ↓

Capture Stop

Ready

單張拍照

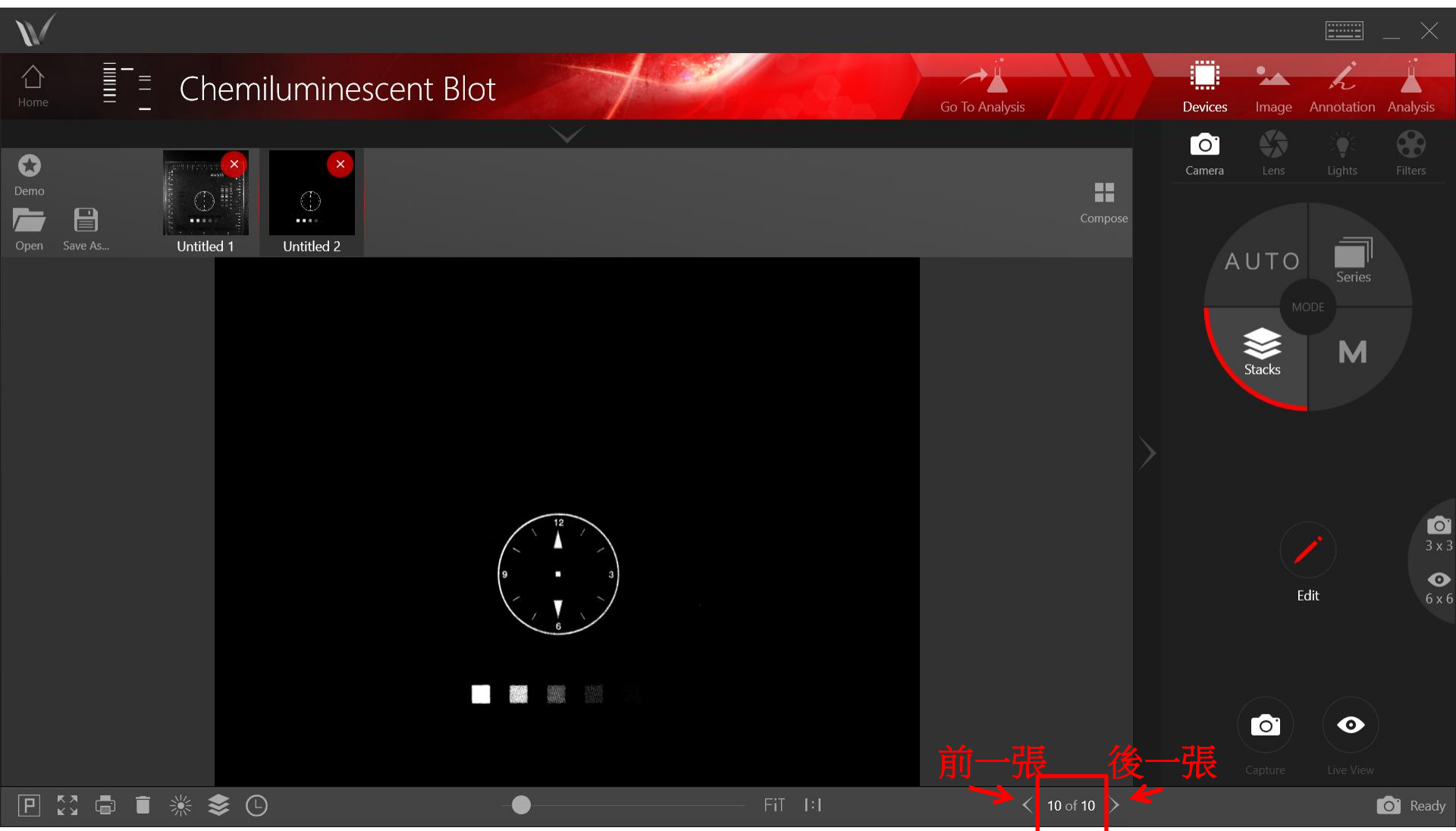
曝光時間設定

預覽

2. 拍一張白光的marker照片



3. 拍攝多張冷光照片



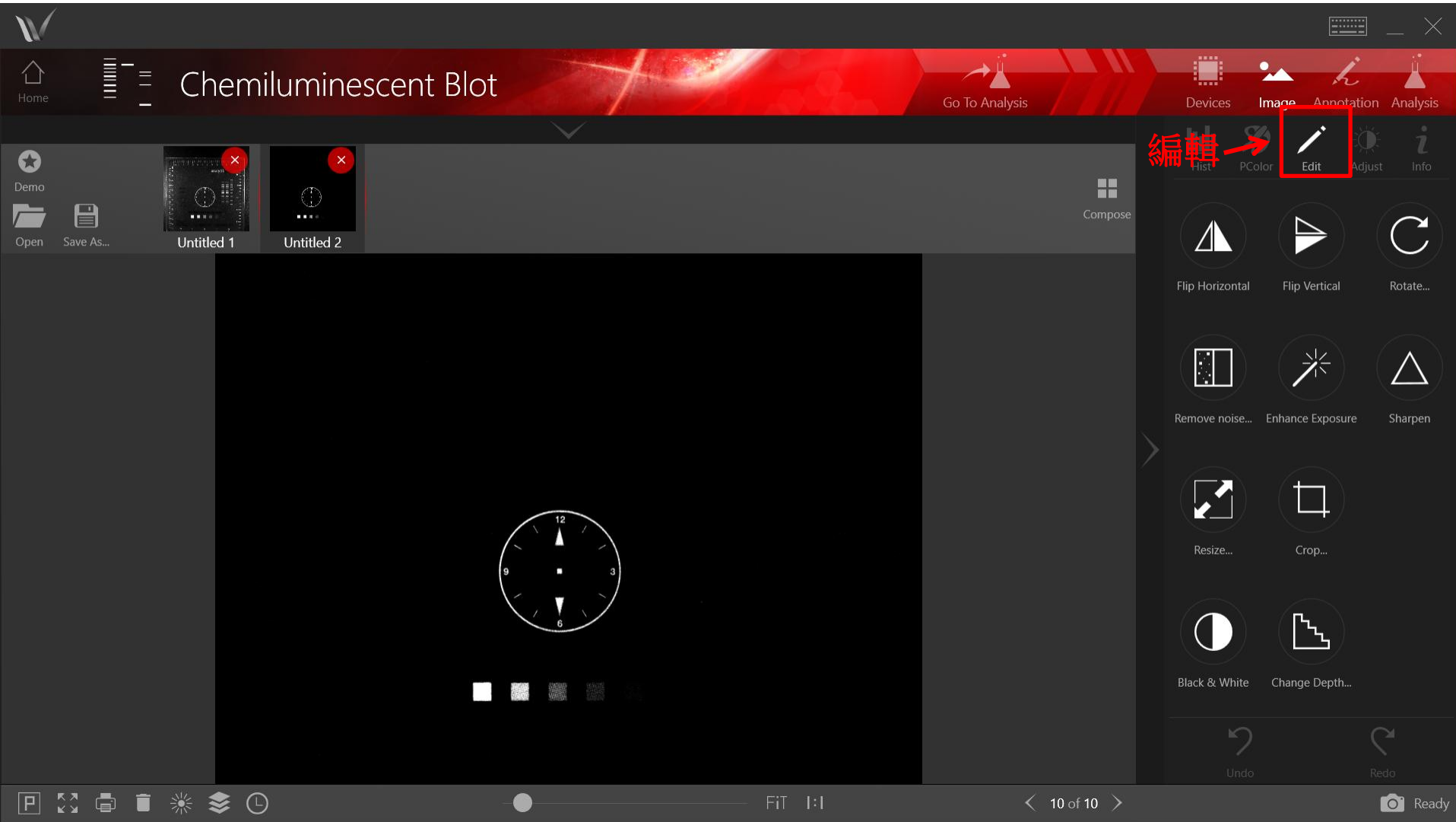
前一張 後一張

目前張數/總張數

影像調整











Chemiluminescent Blot

Go To Analysis

Devices Image Annotation Analysis

Hist PColor Edit Adjust Info

Image Capture Data

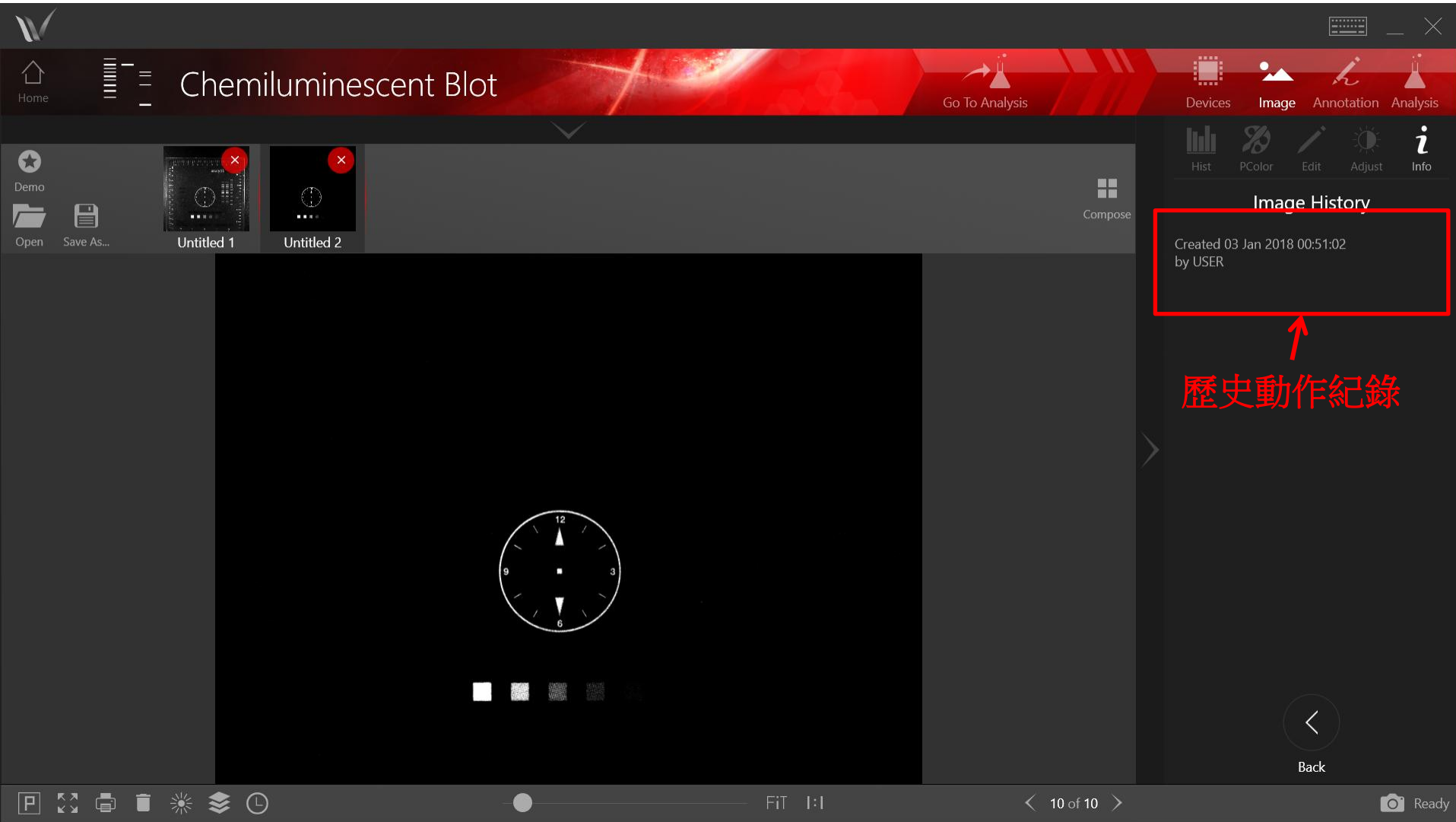
Capture Mode	Stacks
Stacks Mode	Total Images
Exposure Time	00:05.026
Capture Binning	3
Brightness	71%
Focus	69%
Epi Lighting	OFF
Trans Lighting	OFF
Emission Filter	#1 Clear
PC Pseudocolor	None
PC Auto Adjust Histogram	ON
Software Version	8.21.17314.9936

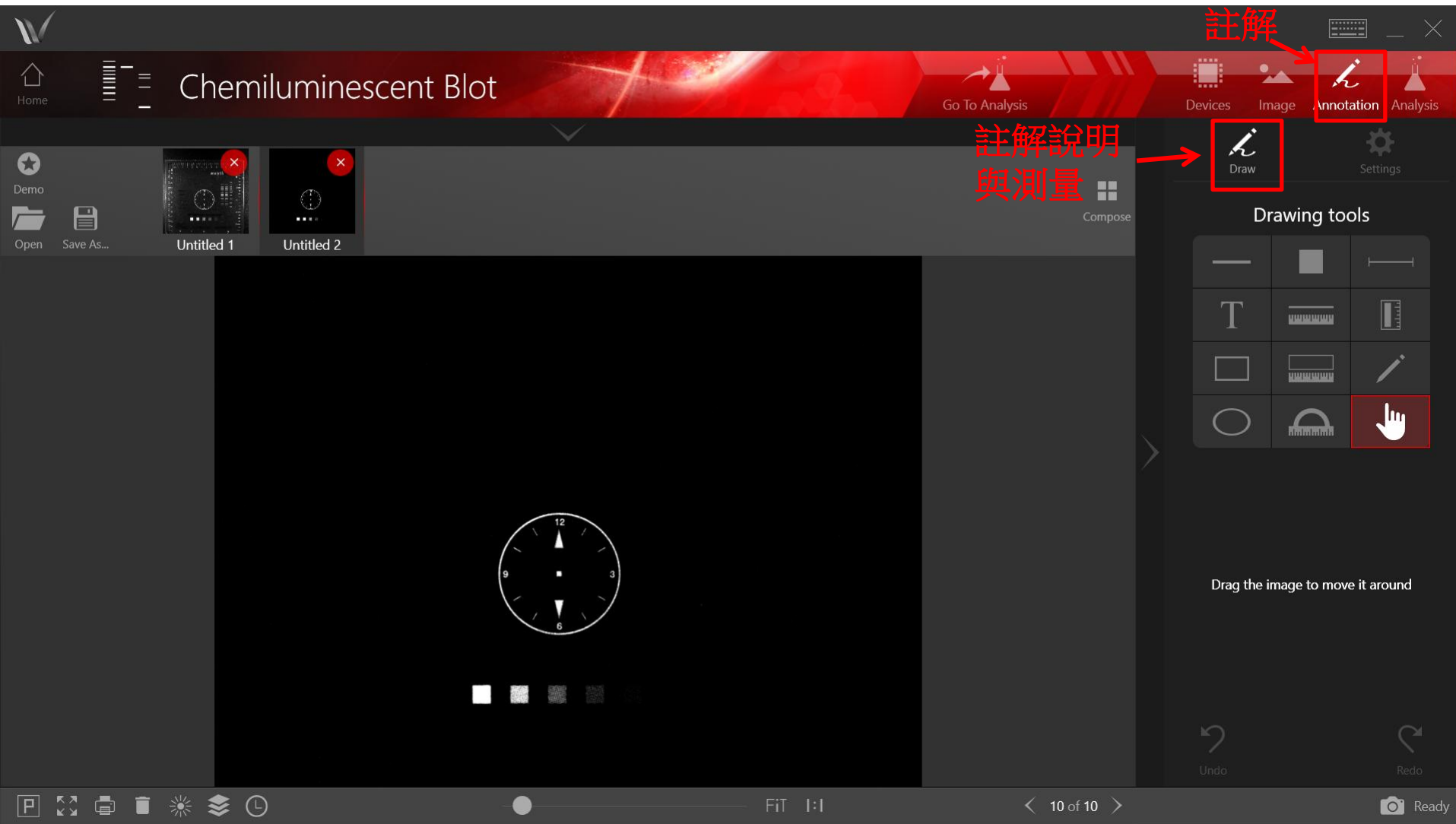
拍照時條件

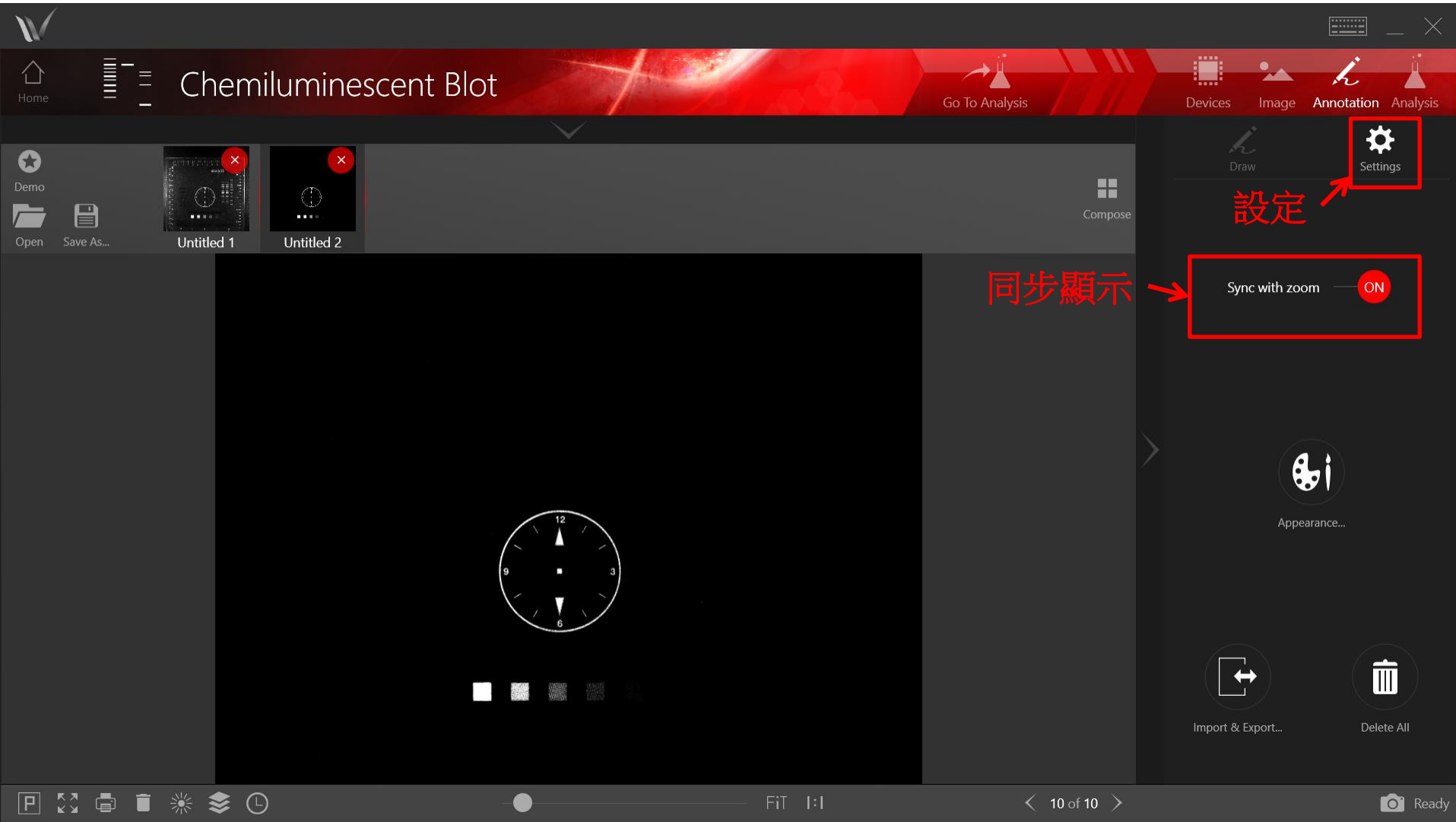
Back Create Action

10 of 10

Ready







影像分析



Chemiluminescent Blot

Home Go To Analysis Devices Image Annotation Analysis

Demo Open Save As... Untitled 1 Untitled 2 Compose

1. Draw a rectangle on the image

2. Keep Undo

OK Cancel

10 of 10

Ready

圈選完後按右鍵 (觸控者請長按)
待數字出現後即可

Chemiluminescent Blot

Home Demo Open Save As... Compose

Untitled 1 Untitled 2

1D Analysis AD Area Density CC Colony Count

Region Tool Move

1. Draw a rectangle on the image

2. ☒ Keep ☐ Undo

取消分析

圈選完確定後請按OK

OK Cancel

數字出現後按著左鍵不放拖曳框框
(觸控者可直接點選框框拖曳)



Home

Chemiluminescent Blot

Go To Analysis

Devices

Image

Annotation

Analysis

Demo

Open

Save As...

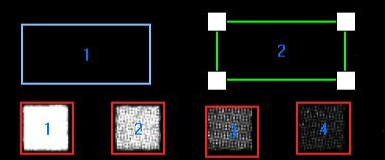
Untitled 1

Untitled 2

Compose



設定background



1D Analysis

AD Area Density

CC Colony Count

Bkgrd

Tool

Move

1. Draw a rectangle on the image

2. ☒ Keep ☐ Undo

Warning: Editing will cause the amount-calibration curve to be cleared.

OK Cancel



FIT 1:1

< 10 of 10 >

 Ready

 進階生物科技
Discovering new boundaries Level Biotechnology Inc.

Chemiluminescent Blot

Home Demo Open Save As... Compose

Untitled 1 Untitled 2

Go To Analysis Devices Image Annotation Analysis

1D Analysis AD Area Density CC Colony Count

Add Regions... Add Background... Import & Export...

Delete Regions... Delete Background... Edit...

Intensity Curve... Amount Curve... Show Results...

Delete Analysis

圈選完後,先確定訊號來源

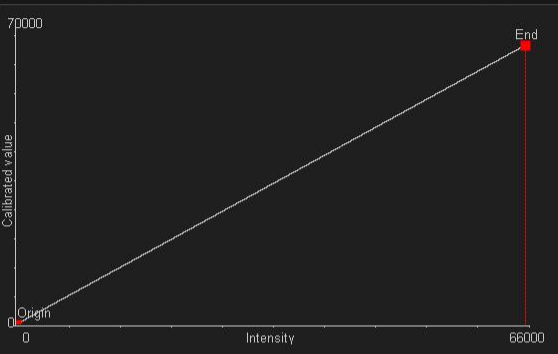
清除圈選框

10 of 10

Ready



Intensity Curve Calibration



Intensity	Calibrated Value
0.00	0.00
65,535.00	65,535.00

Curve Type

White Band Intensity Curve

Monotonic

OFF

Always Positive

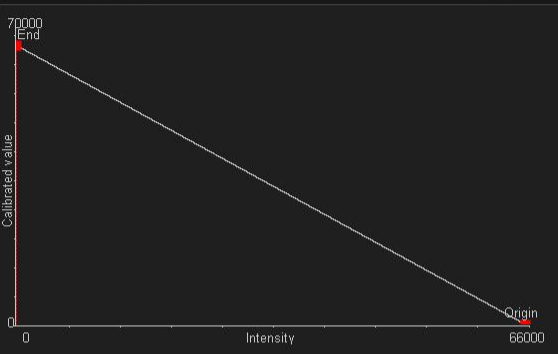
OFF

照片原始訊號(未Invert) 為黑底白band者，
選White band intensity curve.





Intensity Curve Calibration



Intensity	Calibrated Value
0.00	65,535.00
65,535.00	0.00

Curve Type

Black Band Intensity Curve

Monotonic

OFF

Always Positive

OFF

照片原始訊號(未Invert) 為白底黑band者，
選Black band intensity curve.



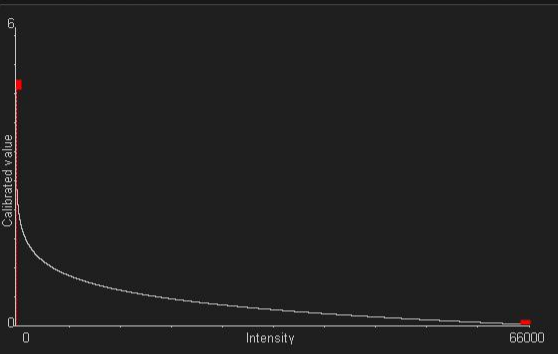
Back



進階生物科技
Level Biotechnology Inc.



Intensity Curve Calibration



Intensity	Calibrated Value
0.00	4.82
65,535.00	0.00

Curve Type

Standard Optical Density Curve ▼

Monotonic

OFF

Always Positive

OFF

X光片翻拍者，
選standard optical density curve.



Back

W

Home

Chemiluminescent Blot

Go To Analysis

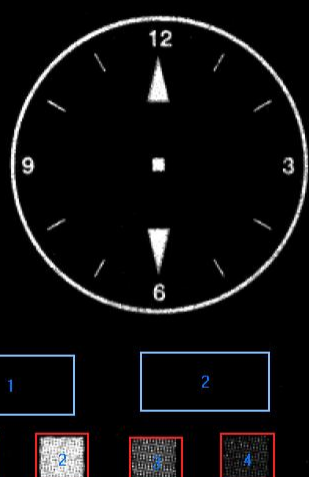
Devices Image Annotation Analysis

Demo

Open Save As...

Untitled 1 Untitled 2

Compose



1 2

1 2 3 4

1D Analysis AD Area Density CC Colony Count

Add Regions... Add Background... Import & Export...

Delete Regions... Delete Background... Edit...

Intensity Curve... Amount Curve... Show Results...

Delete Analysis

圈選完後看結果

清除圈選框

10 of 10

Ready



同時顯示統計結果

Back



Results for Untitled 2



Export

Show Results on One Page OFF

Density List

Statistics

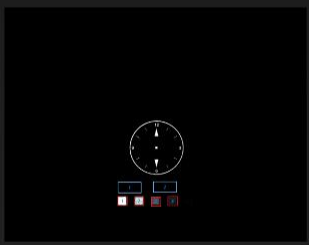
結果

All

+

✓ Density List

✓ Statistics



Density List

Region	Total D...	Total Ba...	Mean D...	Mean B...	Total Ra...	Mean R...	Area (p...	Minimu...	Maxim...	Calibrat...
1	4.2347E+007	1.0849E+007	37,742.3419	9,669.2473	5.3196E+007	47,411.5891	1,122.00	9,759.0000	65,535.0000	0.0000E+000
2	2.4444E+007	1.0849E+007	21,786.3935	9,669.2473	3.5293E+007	31,455.6408	1,122.00	9,624.0000	65,535.0000	0.0000E+000
3	8.8850E+006	1.0849E+007	7,918.8811	9,669.2473	1.9734E+007	17,588.1283	1,122.00	9,476.0000	48,252.0000	0.0000E+000
4	3.5168E+006	1.0849E+007	3,134.4283	9,669.2473	1.4366E+007	12,803.6756	1,122.00	9,469.0000	31,020.0000	0.0000E+000



Results for Untitled 2

Data匯出

Export

Back

Show Results on One Page ON

Density List

Statistics





Density List

Region	Total D...	Total Ba...	Mean D...	Mean B...	Total Ra...	Mean R...	Area (p...	Minimu...	Maxim...	Calibrat...
1	4.2347E+007	1.0849E+007	37,742.3419	9,669.2473	5.3196E+007	47,411.5891	1,122.00	9,759.0000	65,535.0000	0.0000E+000
2	2.4444E+007	1.0849E+007	21,786.3935	9,669.2473	3.5293E+007	31,455.6408	1,122.00	9,624.0000	65,535.0000	0.0000E+000
3	8.8850E+006	1.0849E+007	7,918.8811	9,669.2473	1.9734E+007	17,588.1283	1,122.00	9,476.0000	48,252.0000	0.0000E+000
4	3.5168E+006	1.0849E+007	3,134.4283	9,669.2473	1.4366E+007	12,803.6756	1,122.00	9,469.0000	31,020.0000	0.0000E+000

Statistics

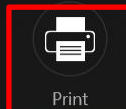
Property	Total D...	Total Ba...	Mean D...	Mean B...	Total Ra...	Mean R...	Area (p...	Minimu...	Maxim...	Calibrat...
Min	3.5168E+006	6.0259E+007	3,134.4283	9,669.2473	1.4366E+007	12,803.68	1,122.00	9,469.00	31,020.00	0.0000E+000
Region	4	1	4	1	4	4	1	4	4	1
Max	4.2347E+007	6.0259E+007	37,742.3419	9,669.2473	5.3196E+007	47,411.59	1,122.00	9,759.00	65,535.00	0.0000E+000
Region	1	1	1	1	1	1	1	1	1	1
Range	3.8830E+007	0.0000E+000	34,607.9135	0.0000	3.8830E+007	34,607.91	0.00	290.00	34,515.00	0.0000E+000
Mean	1.9798E+007	6.0259E+007	17,645.5112	9,669.2473	3.0647E+007	27,314.76	1,122.00	9,582.00	52,585.50	0.0000E+000
Std dev	1.5118E+007	0.0000E+000	13,474.1268	0.0000	1.5118E+007	13,474.13	0.00	119.48	14,311.09	0.0000E+000
Sum	7.9193E+007	2.4103E+008	70,582.0448	38,676.9891	1.2259E+008	109,259.03	4,488.00	38,328.00	210,342.00	0.0000E+000
Samples	4	4	4	4	4	4	4	4	4	4

統計結果



Back

列印



Print



Export to Excel

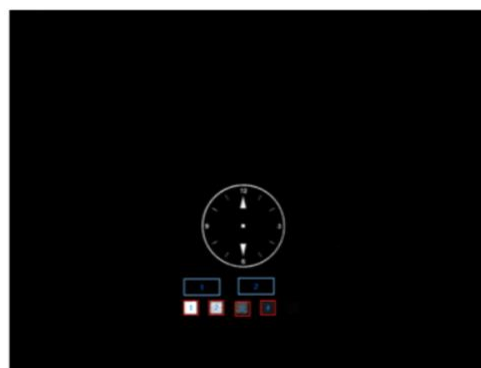
匯到Excel

Landscape View

ON

Area Density Report

Untitled 2



Density List

Region	Total Density	Total Background	Mean Density	Mean Background	Total Raw Density	Mean Raw Density	Area (px^2)	Minimum Intensity	Maximum Intensity	Calibrated Value
1	4.2347E+007	1.0849E+007	37,742.3419	9,669.2473	5.3196E+007	47,411.5891	1,122.00	9,759.0000	65,535.0000	0.0000E+000
2	2.4444E+007	1.0849E+007	21,786.3935	9,669.2473	3.5293E+007	31,455.6408	1,122.00	9,624.0000	65,535.0000	0.0000E+000
3	8.8850E+006	1.0849E+007	7,918.8811	9,669.2473	1.9734E+007	17,588.1283	1,122.00	9,476.0000	48,252.0000	0.0000E+000
4	3.5168E+006	1.0849E+007	3,134.4283	9,669.2473	1.4366E+007	12,803.6756	1,122.00	9,469.0000	31,020.0000	0.0000E+000

Statistics

	Total	Mean	Total Raw	Mean Raw	Minimum	Maximum	Calibrated
--	-------	------	-----------	----------	---------	---------	------------

Chemiluminescent Blot

Home Demo Open Save As... Compose

Untitled 1 Untitled 2

12 9 3 6

1 2

1 2 4

Go To Analysis

Devices Image Annotation Analysis

1D Analysis AD Area Density CC Colony Count

Add Regions... Add Background... Import & Export...

Delete Regions... Delete Background... Edit...

Intensity Curve... Amount Curve... Show Results...

Delete Analysis

作各個band間的相對定量

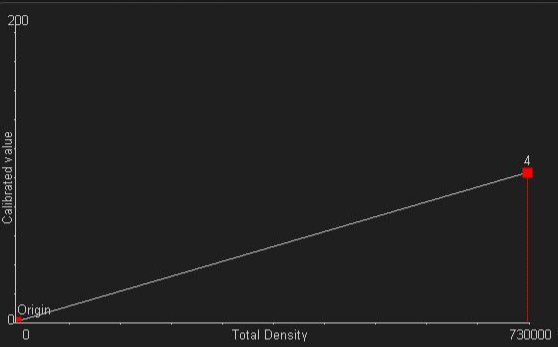
10 of 10

Ready



Amount Curve Calibration

0為原點, -1為待測物



Region	Mean Density	Total Density	Calibrated Value	
Origin	0.00	0.0000	0	
1	7,155.19	9,530,711.3904	-1	
2	3,848.08	5,125,642.3904	-1	
3	1,422.19	1,843,164.6231	-1	
4	561.47	727,661.6231	100	

設定哪個band為基準點, 且基準值為何 (此處設為100)

Curve Model: Polynomial, order 1

Goodness of fit: 1

Always Positive: OFF

OK Cancel



同時顯示統計結果

Back



Results for Untitled 7



Export

Show Results on One Page OFF

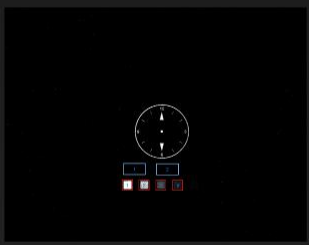
Density List

Statistics

All

+

- ✓ Density List
- ✓ Statistics



Density List

相對值結果

Region	Total D...	Total Ba...	Mean D...	Mean B...	Total Ra...	Mean R...	Area (p...	Minimu...	Maxim...	Calibrat...
1	9.5307E+006	1.4919E+006	7,155.1887	1,120.0620	1.1023E+007	8,275.2508	1,332.00	1,113.0000	19,261.0000	1.3098E+003
2	5.1256E+006	1.4919E+006	3,848.0799	1,120.0620	6.6176E+006	4,968.1419	1,332.00	1,087.0000	13,449.0000	7.0440E+002
3	1.8432E+006	1.4516E+006	1,422.1949	1,120.0620	3.2948E+006	2,542.2569	1,296.00	1,078.0000	10,316.0000	2.5330E+002
4	7.2766E+005	1.4516E+006	561.4673	1,120.0620	2.1793E+006	1,681.5293	1,296.00	1,053.0000	7,714.0000	1.0000E+002



Back



Results for Untitled 7

Data匯出



Export

Show Results on One Page ☒

- ✓ Density List
- ✓ Statistics

All

相對值結果

Density List										
Region	Total D...	Total Ba...	Mean D...	Mean B...	Total Ra...	Mean R...	Area (p...	Minimu...	Maxim...	Calibrat...
1	9.5307E+006	1.4919E+006	7,155.1887	1,120.0620	1.1023E+007	8,275.2508	1,332.00	1,113.0000	19,261.0000	1.3098E+003
2	5.1256E+006	1.4919E+006	3,848.0799	1,120.0620	6.6176E+006	4,968.1419	1,332.00	1,087.0000	13,449.0000	7.0440E+002
3	1.8432E+006	1.4516E+006	1,422.1949	1,120.0620	3.2948E+006	2,542.2569	1,296.00	1,078.0000	10,316.0000	2.5330E+002
4	7.2766E+005	1.4516E+006	561.4673	1,120.0620	2.1793E+006	1,681.5293	1,296.00	1,053.0000	7,714.0000	1.0000E+002

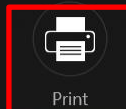
Statistics										
Property	Total D...	Total Ba...	Mean D...	Mean B...	Total Ra...	Mean R...	Area (p...	Minimu...	Maxim...	Calibrat...
Min	7.2766E+005	6.9892E+006	561.4673	1,120.0620	2.1793E+006	1,681.53	1,296.00	1,053.00	7,714.00	1.0000E+002
Region	4	1	4	1	4	4	3	4	4	4
Max	9.5307E+006	6.9892E+006	7,155.1887	1,120.0620	1.1023E+007	8,275.25	1,332.00	1,113.00	19,261.00	1.3098E+003
Region	1	1	1	1	1	1	1	1	1	1
Range	8.8030E+006	0.0000E+000	6,593.7214	0.0000	8.8434E+006	6,593.72	36.00	60.00	11,547.00	1.2098E+003
Mean	4.3068E+006	6.9892E+006	3,246.7327	1,120.0620	5.7786E+006	4,366.79	1,314.00	1,082.75	12,685.00	5.9187E+002
Std dev	3.4220E+006	0.0000E+000	2,558.1847	0.0000	3.4398E+006	2,558.18	18.00	21.45	4,305.53	4.7027E+002
Sum	1.7227E+007	2.7957E+007	12,986.9308	4,480.2481	2.3114E+007	17,467.18	5,256.00	4,331.00	50,740.00	2.3675E+003
Samples	4	4	4	4	4	4	4	4	4	4

統計結果



Back

列印



Print



Export to Excel

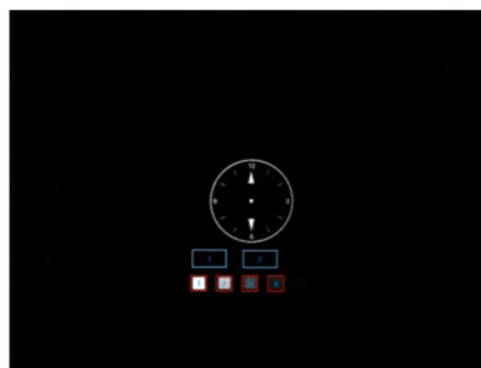
匯到Excel

Landscape View

ON

Area Density Report

Untitled 7



Density List

Region	Total Density	Total Background	Mean Density	Mean Background	Total Raw Density	Mean Raw Density	Area (px^2)	Minimum Intensity	Maximum Intensity	Calibrated Value
1	9.5307E+006	1.4919E+006	7,155.1887	1,120.0620	1.1023E+007	8,275.2508	1,332.00	1,113.0000	19,261.0000	1.3098E+003
2	5.1256E+006	1.4919E+006	3,848.0799	1,120.0620	6.6176E+006	4,968.1419	1,332.00	1,087.0000	13,449.0000	7.0440E+002
3	1.8432E+006	1.4516E+006	1,422.1949	1,120.0620	3.2948E+006	2,542.2569	1,296.00	1,078.0000	10,316.0000	2.5330E+002
4	7.2766E+005	1.4516E+006	561.4673	1,120.0620	2.1793E+006	1,681.5293	1,296.00	1,053.0000	7,714.0000	1.0000E+002

Statistics

	Total	Mean	Total Raw	Mean Raw	Minimum	Maximum	Calibrated
--	-------	------	-----------	----------	---------	---------	------------

W

Home

Chemiluminescent Blot

Go To Analysis

Devices Image Annotation Analysis

Demo Save Open Save As...

Bright DNA Gel

Agarose gel 分析

1D Analysis

AD Area Density

CC Colony Count

Define Region...

Find Lanes and Bands...

Fit 1:1

1 of 1

Ready



W

Home

Chemiluminescent Blot

Go To Analysis

Devices Image Annotation Analysis

Demo Save Open Save As...

Bright DNA Gel

Compose

1D Analysis AD Area Density CC Colony Count

Define Region...

在框選範圍中尋找
Lane and Band

Find Lanes and Bands...

P Fit 1 of 1 Ready



Home



Chemiluminescent Blot

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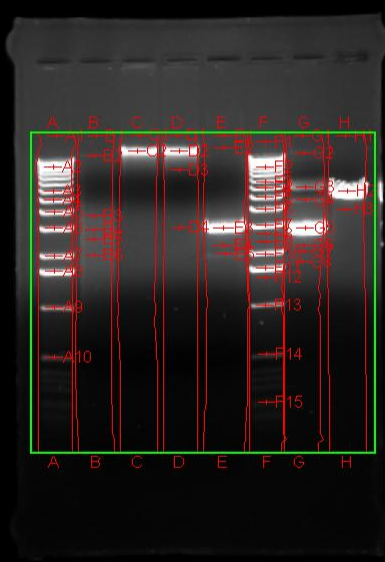
 Open

 Save As...



Bright DNA Gel

 Compose



尋找Lane的靈敏度 → Lane Sensitivity : 75%

尋找Band的靈敏度 → Band Sensitivity : 82%



Find



Done



Cancel

Fit 1:1

< 1 of 1 >

 Ready

W

Home

Chemiluminescent Blot

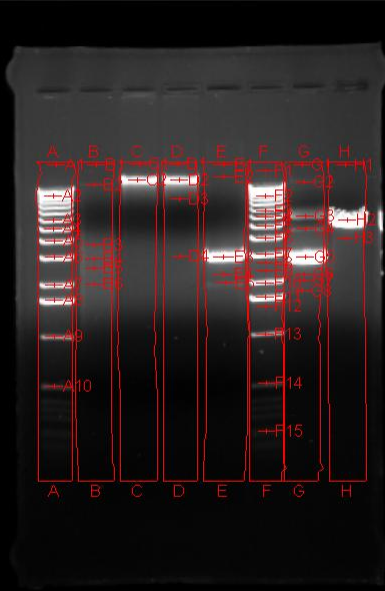
Go To Analysis

Devices Image Annotation Analysis

Demo Save Open Save As...

Bright DNA Gel

Compose



1D Analysis AD Area Density CC Colony Count

Concentration...

Molecular Weight...

Lane Profile...

RF Lines...

Edit Lanes and Bands...

Mass Unit...

Show Results...

Delete Analysis...

Fit 1:1

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Ready

定分子量



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Save

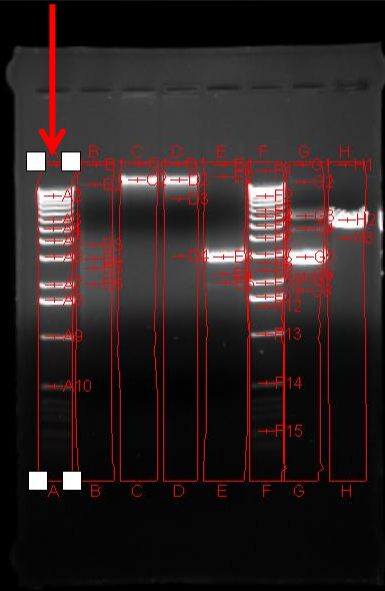
Open

Save As...

Bright DNA Gel

Compose

選擇marker的lane



1D Analysis

AD Area Density

CC Colony Count

Select

Tool

Move

Select the lane to calibrate

Calibrate

Cancel

P

Fit 1:1

1 of 1

Ready



Molecular Weight Calibration

Lane A

選擇marker的類型

Select a standard

- ▾ DNA
- ▾ Protein
- ▾ RNA



New



Cancel



Molecular Weight Calibration

Lane A

選擇marker

Select a standard

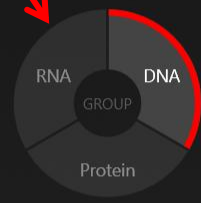
DNA

- 1kb Ladder
- 100bp Ladder
- 10bp Ladder
- 123bp Ladder
- 2-Log DNA Ladder (0.1 - 10.0kb)
- 25bp Ladder
- BenchTop 1kb Ladder
- Lambda Hind III Fragments
- Phix174 RF/ Hae III Fragments

Marker type

排列順序

1kb Ladder



單位

VALUES

- 12216
- 11198
- 10180
- 9162
- 8144
- 7126
- 6108
- 5090
- 4072
- 3054
- 2036

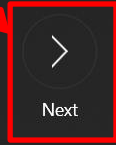


New



Clone

確認ok後按Next



Next



Cancel

新增marker



Molecular Weight Calibration

Lane A

Standard 1kb Ladder

☒ = Matched

☐ = Unmatched

Well

12216

5090

3054

2036

1636

1018

506

VALUES

12216

11198

10180

9162

8144

7126

6108

5090

4072

3054

2036

1636

Calibration Mode

Independent

Proportional

Stretch Factor: 16.5

Reset

調整marker對應位置



Back



OK



Cancel

確認後ok



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W

Home

Chemiluminescent Blot

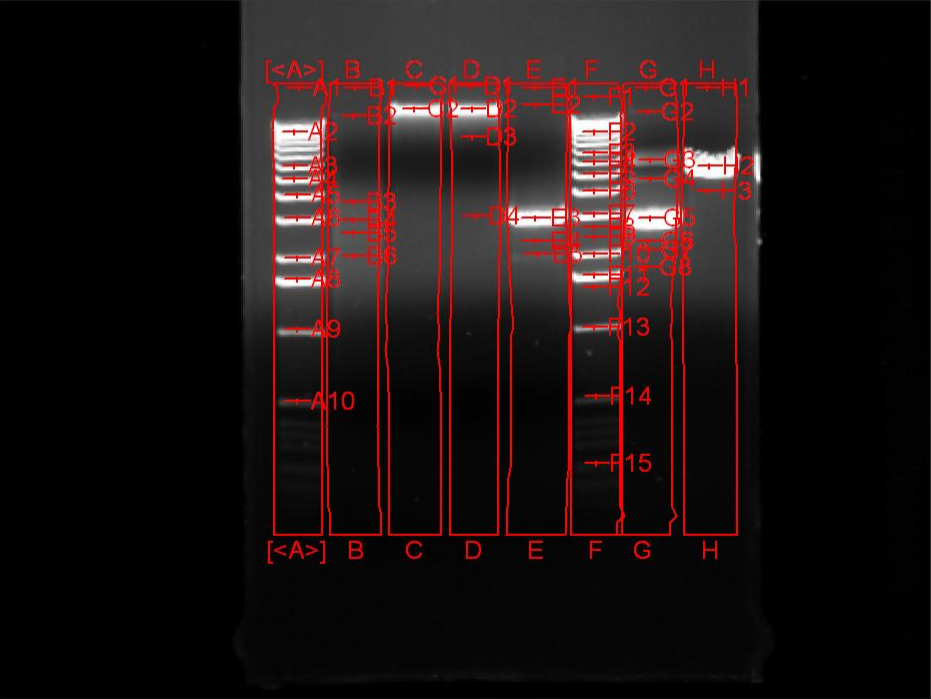
Go To Analysis

Devices Image Annotation Analysis

Demo Save Open Save As...

Bright DNA Gel

Compose



[<A>] B C D E F G H

A1 A2 A3 A4 A5 A6 A7 A8 A9 A10

B1 B2 B3 B4 B5 B6 B7 B8 B9 B10

C1 C2 C3 C4 C5 C6 C7 C8 C9 C10

D1 D2 D3 D4 D5 D6 D7 D8 D9 D10

E1 E2 E3 E4 E5 E6 E7 E8 E9 E10

F1 F2 F3 F4 F5 F6 F7 F8 F9 F10

G1 G2 G3 G4 G5 G6 G7 G8 G9 G10

H1 H2 H3 H4 H5 H6 H7 H8 H9 H10

Concentration...

Molecular Weight...

Lane Profile...

RF Lines...

Edit Lanes and Bands...

Mass Unit...

Show Results...

Delete Analysis

看分子量結果

1D Analysis AD Area Density CC Colony Count

Fit 1:1

1 of 1

Ready



Back



Results for Bright DNA Gel

選擇分子量

Data匯出



Export

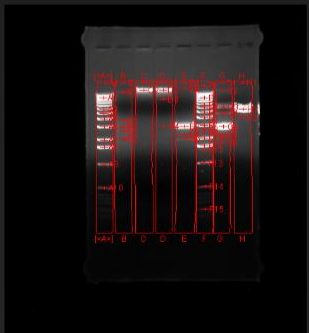
Show Results on One Page ☐

Image Information Lanes Bands Concentration Calibration Molecular Weight

結果

All

- ✓ Image Information
- ✓ Lanes
- ✓ Bands
- ✓ Concentration
- ✓ Calibration
- ✓ Molecular Weight



Molecular Weight								
Band	A	B	C	D	E	F	G	H
1	∞ bp	∞	∞	∞	∞	7126	∞	∞
2	2539.96 bp	3526.46	4072	4072	4725.14	2539.96	3881.37	1636
3	1636 bp	1250.34		2359.45	1101.76	1865.43	1746.95	1353.22
4	1487.91 bp	1084.47		1119.32	973.57	1709.16	1487.91	
5	1311.09 bp	1002.97			931.09	1535.72	1101.76	
6	1101.76 bp	924.19				1353.22	973.57	
7	917.34 bp					1137.16	945.04	
8	851.6 bp					1034.23	890.46	
9	712.39 bp					988.16		
10	553.23 bp					931.09		
11						864.36		
12						826.64		
13						717.71		
14						561.52		
15						442.6		

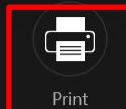


000 000 000 000
000 000 000 000



Back

列印



Print



Export to Excel

匯到Excel

Landscape View

ON

1D Analysis Report

Bright DNA Gel



Molecular Weight

Band	A	B	C	D	E	F	G	H
1	∞ bp	∞	∞	∞	∞	7126	∞	∞
2	2539.96 bp	3526.46	4072	4072	4725.14	2539.96	3881.37	1636
3	1636 bp	1250.34		2359.45	1101.76	1865.43	1746.95	1353.22
4	1487.91 bp	1084.47		1119.32	973.57	1709.16	1487.91	
5	1311.09 bp	1002.97			931.09	1535.72	1101.76	
6	1101.76 bp	924.19				1353.22	973.57	
7	917.34 bp					1137.16	945.04	



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W

Home

Chemiluminescent Blot

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Demo Save Open Save As...

Bright DNA Gel

Compose

1D Analysis AD Area Density CC Colony Count

Concentration...

Molecular Weight...

Lane Profile... RF Lines...

Edit Lanes and Bands... Mass Unit...

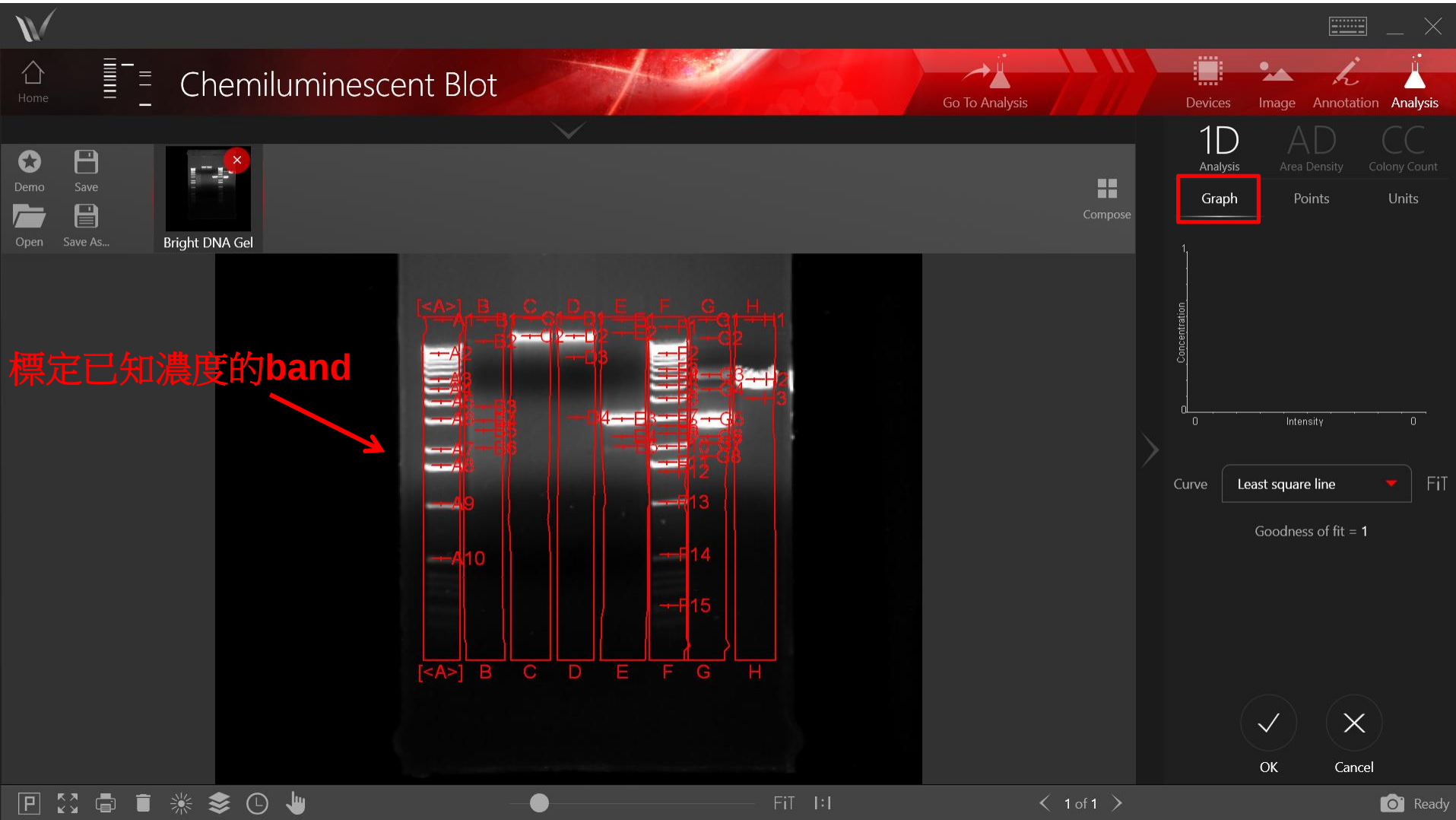
Show Results... Delete Analysis

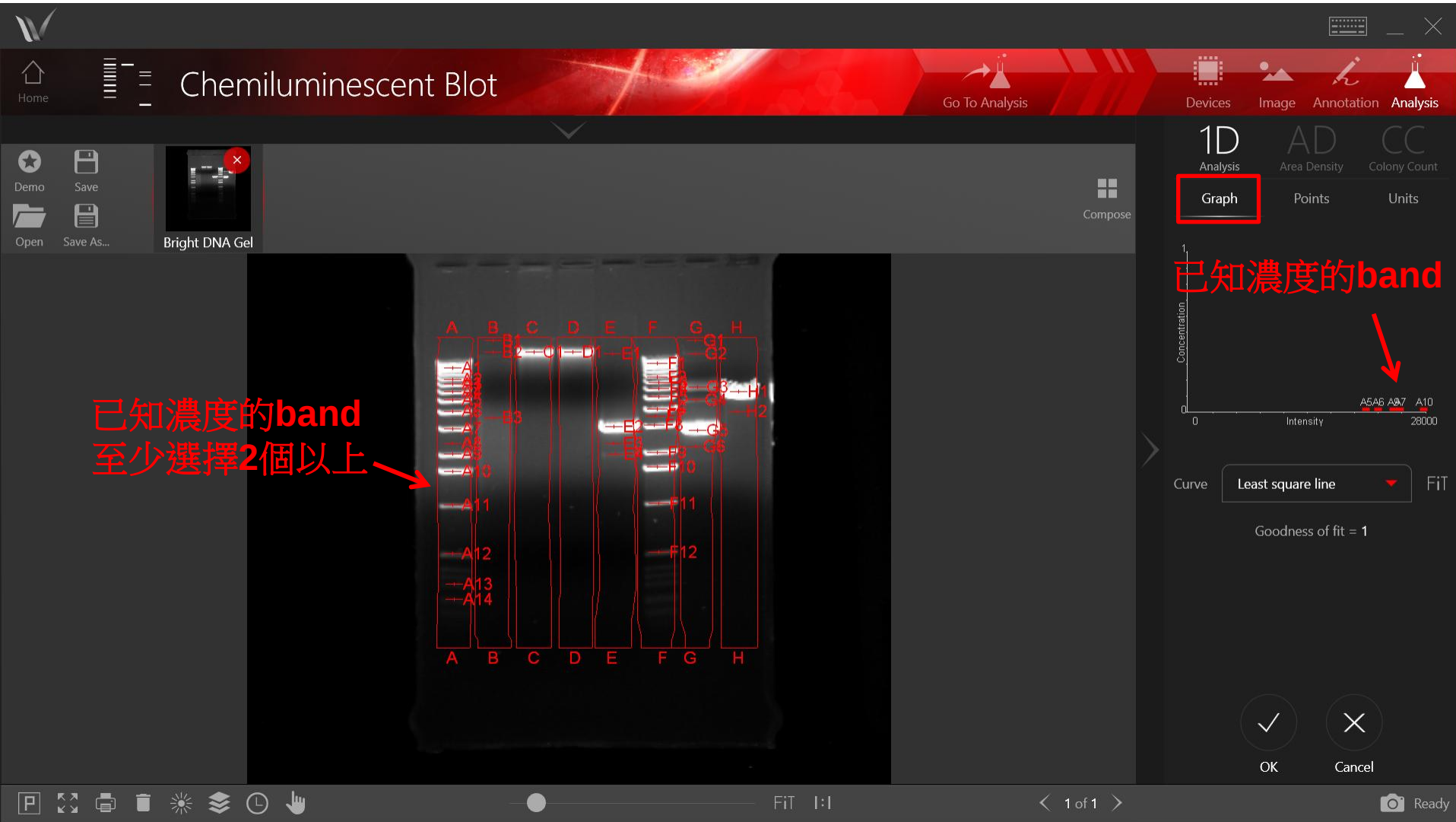
Fit 1:1

1 of 1

Ready

測定band的濃度







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Save

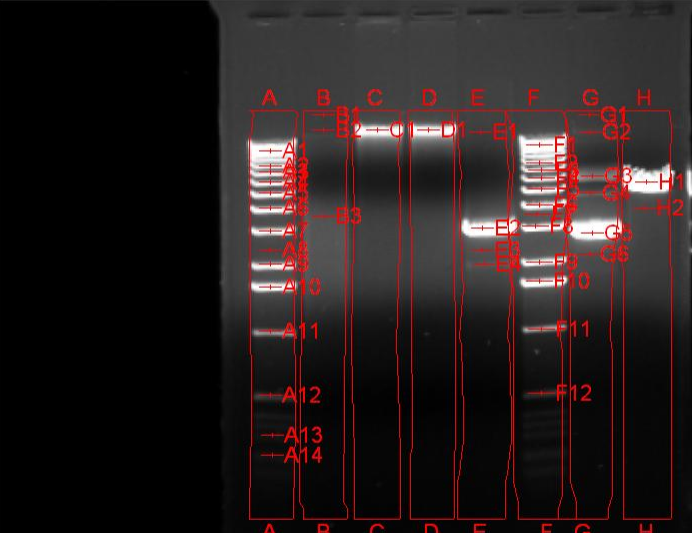
Open

Save As...



Bright DNA Gel

Compose



1D
Analysis

AD
Area Density

CC
Colony Count

Graph

Points

Units

	Intensity	Concentration	Source	
1	27810	0	A10	
2	24161	0	A9	
3	24968	0	A7	
4	22387	0	A6	
5	20942	0	A5	

Hand icon

New

Clear

Export

Import

OK

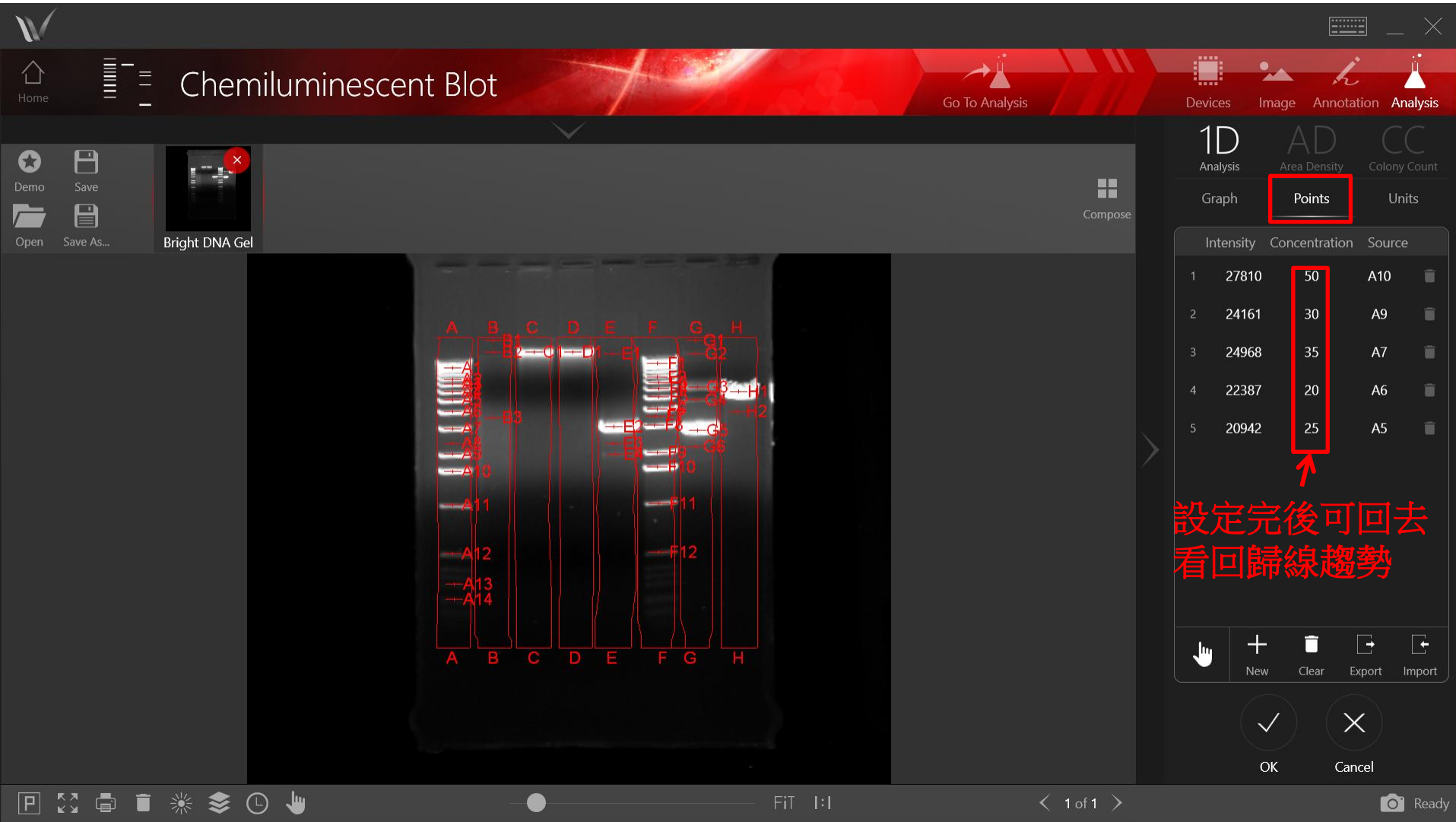
Cancel

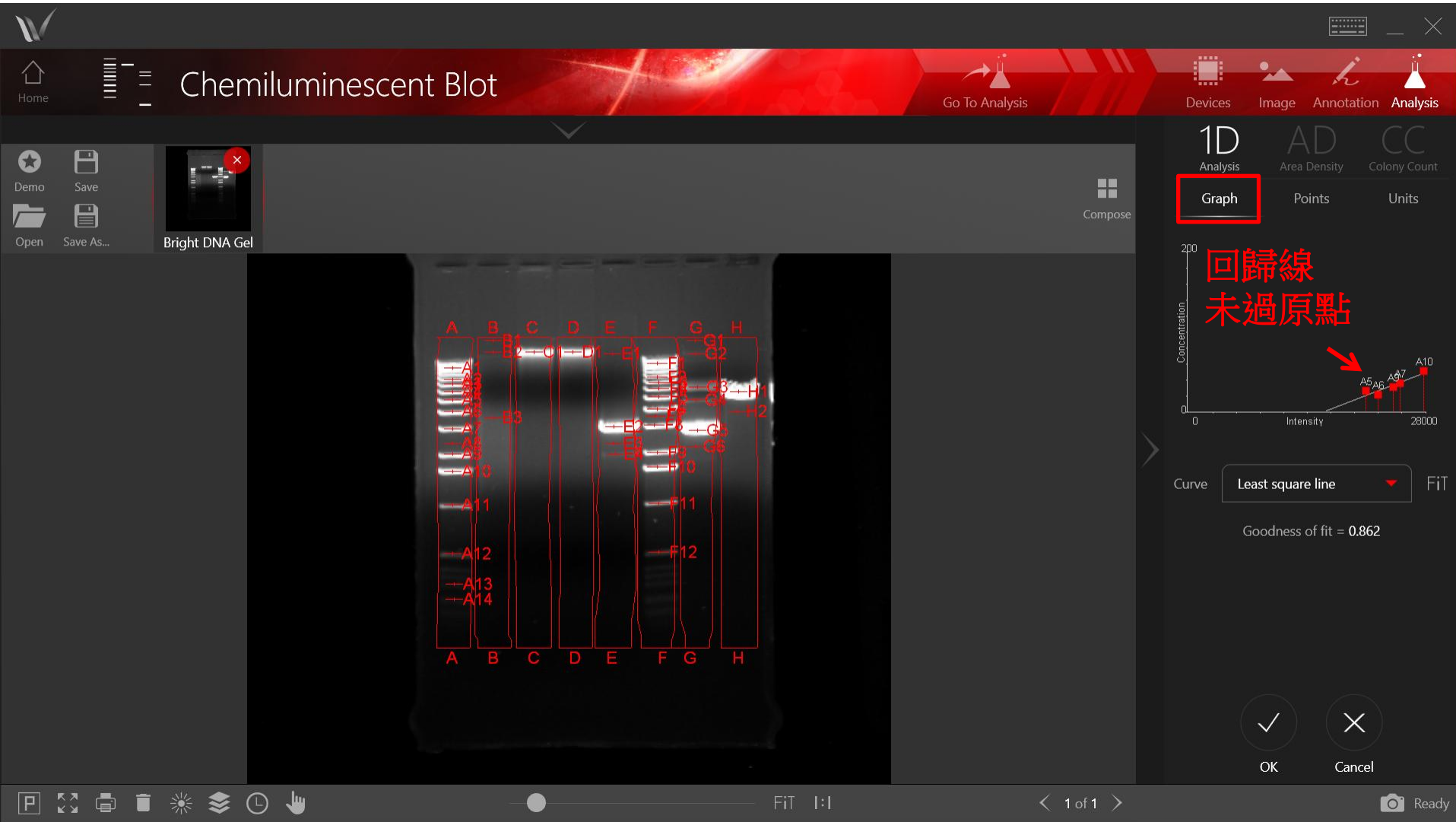
Fit 1:1

1 of 1

Ready

設定各個band的
已知濃度





W

Home

Chemiluminescent Blot

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Demo Save Open Save As...

Bright DNA Gel

Compose

Concentration

ng

新增, 設定單位

+ New

Clear

確認無誤後按OK

✓ OK

✗ Cancel

Fit 1:1

1 of 1

Ready

 **Chemiluminescent Blot**

Home |  |  Go To Analysis |  Devices |  Image |  Annotation |  Analysis

Demo | Save |  Bright DNA Gel |  Compose

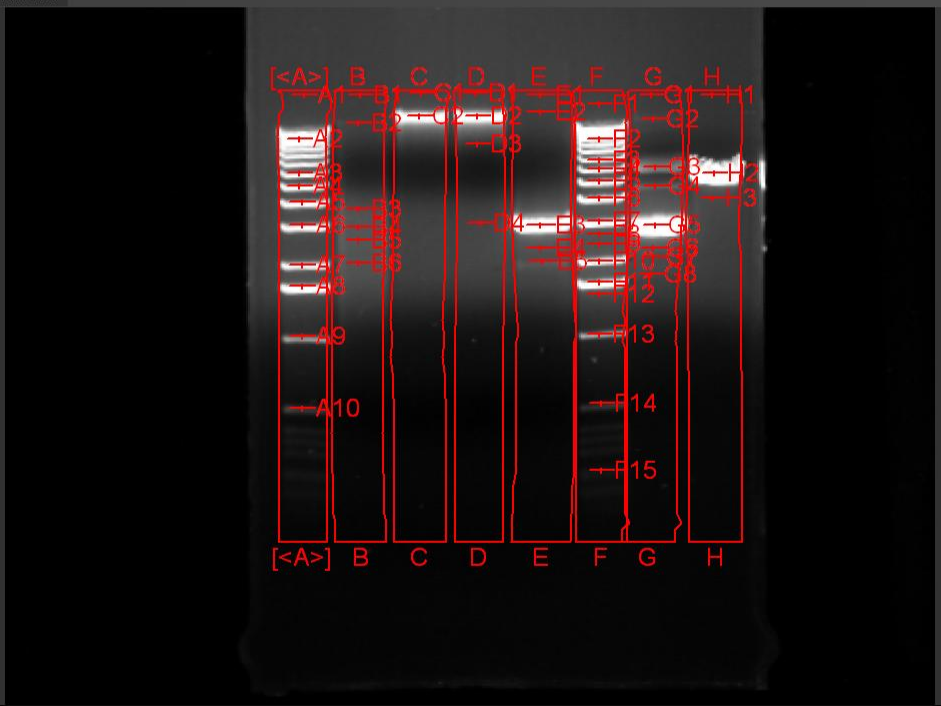
1D Analysis | AD Area Density | CC Colony Count

 Concentration... |  Molecular Weight...

 Lane Profile... |  RF Lines...

 Edit Lanes and Bands... |  Mass Unit...

 Show Results... |  Delete Analysis

 **觀看結果** → 

Fit | 1 of 1 | Ready



Back



Results for Bright DNA Gel

Data匯出



Export

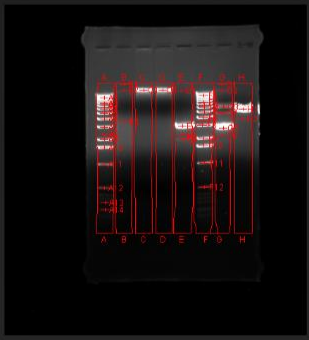
選擇“濃度”分頁

Show Results on One Page OFF

Image Information Lanes Bands Concentration Calibration Molecular Weight

All

- ✓ Image Information
- ✓ Lanes
- ✓ Bands
- ✓ Concentration
- ✓ Calibration
- ✓ Molecular Weight



Concentration								
Band	A	B	C	D	E	F	G	H
1	203.66	0	100.61	88.23	30.39	309.96	0	271.32
2	7.94	3.12			154.52	56.18	0	0
3	3.04	5.06			0	23.23	16.01	
4	14.12				0	11.69	0	
5	19.3					30.74	224.72	
6	25.2					53.11	0	
7	35.73					0		
8	0					106.03		
9	32.44					75.46		
10	47.33					74.94		
11	0					0		
12	0					0		
13	0							
14	0							

結果



000 000 000 000
000 000 000 000



Back

列印



Print



Export to Excel

匯到Excel

Landscape View

ON

1D Analysis Report

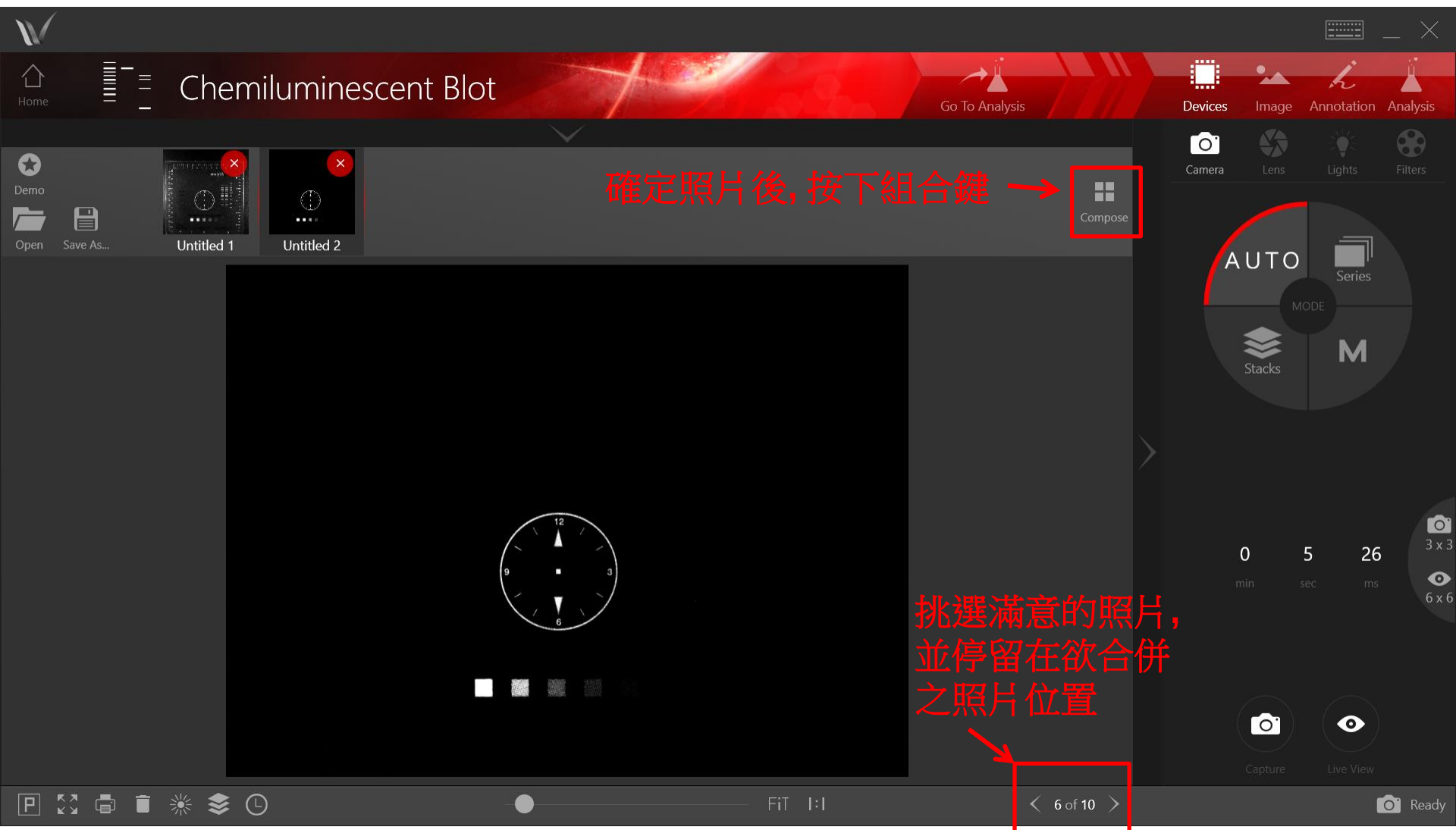
Bright DNA Gel



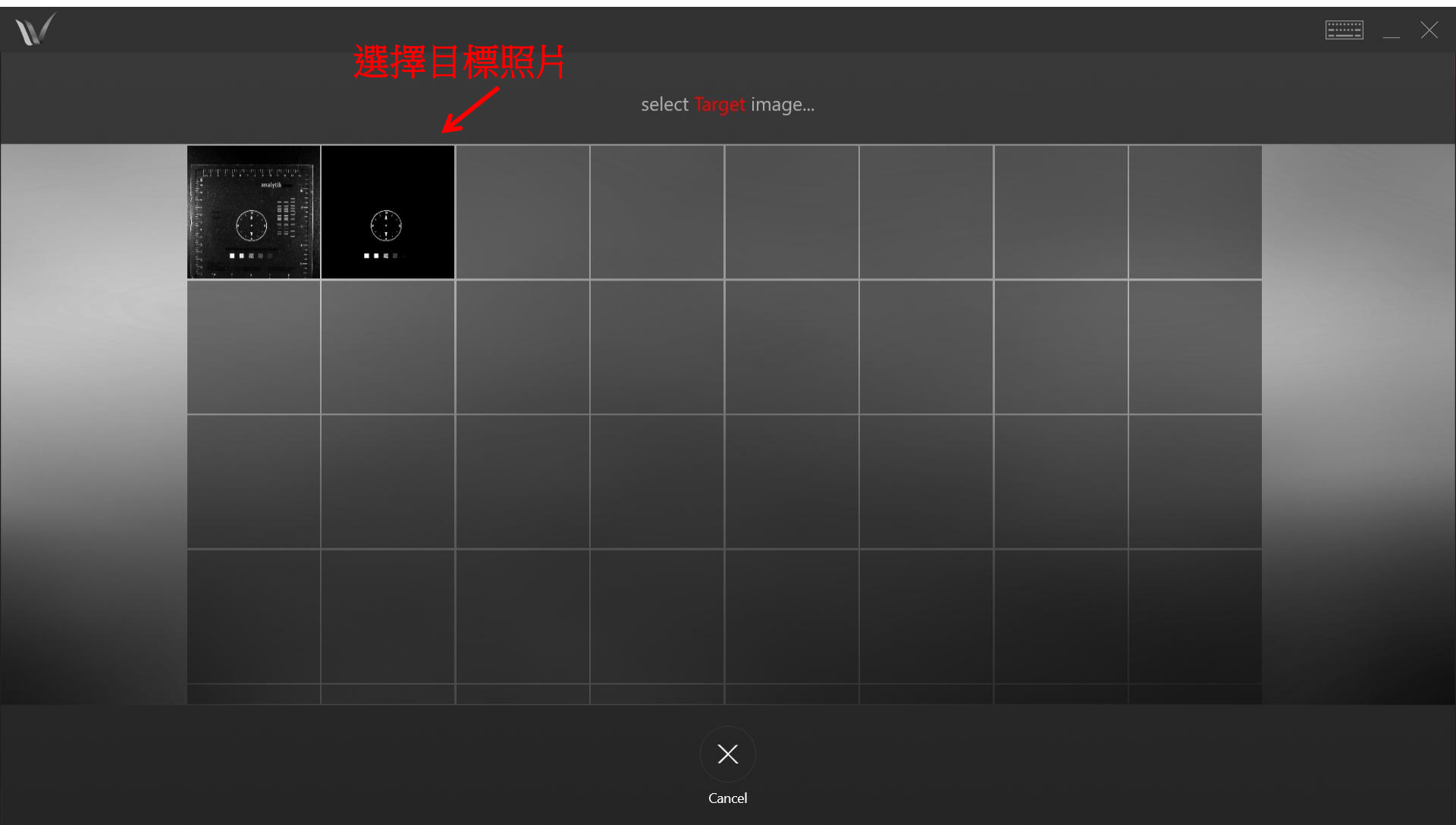
Concentration								
Band	A	B	C	D	E	F	G	H
1	203.66	0	100.61	88.23	30.39	309.96	0	271.32
2	7.94	3.12			154.52	56.18	0	0
3	3.04	5.06			0	23.23	16.01	
4	14.12				0	11.69	0	
5	19.3					30.74	224.72	
6	25.2					53.11	0	
7	35.73					0		

影像合併

***WB的冷光結果與marker圖層合併**



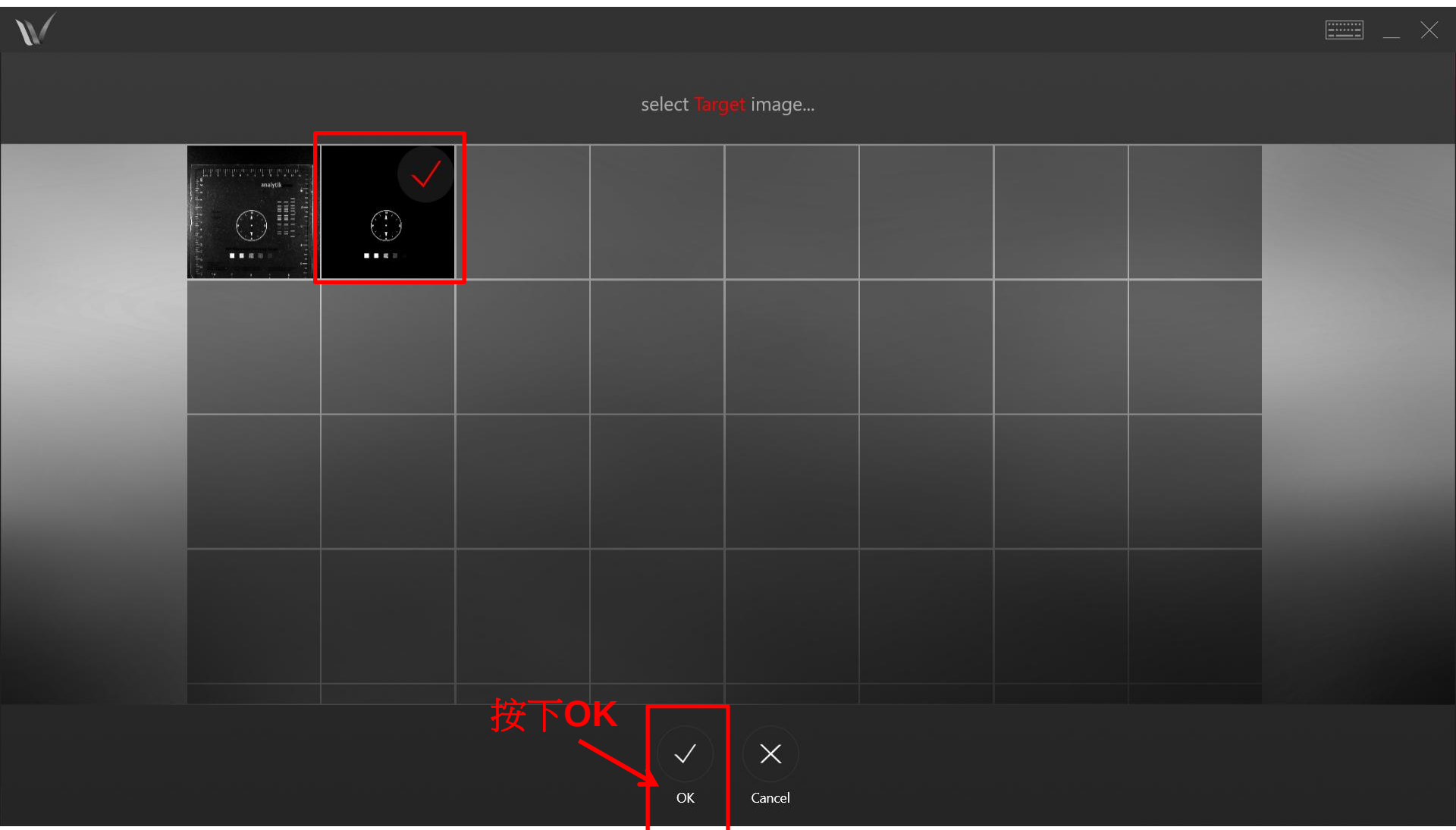
***WB的冷光結果與marker圖層合併**



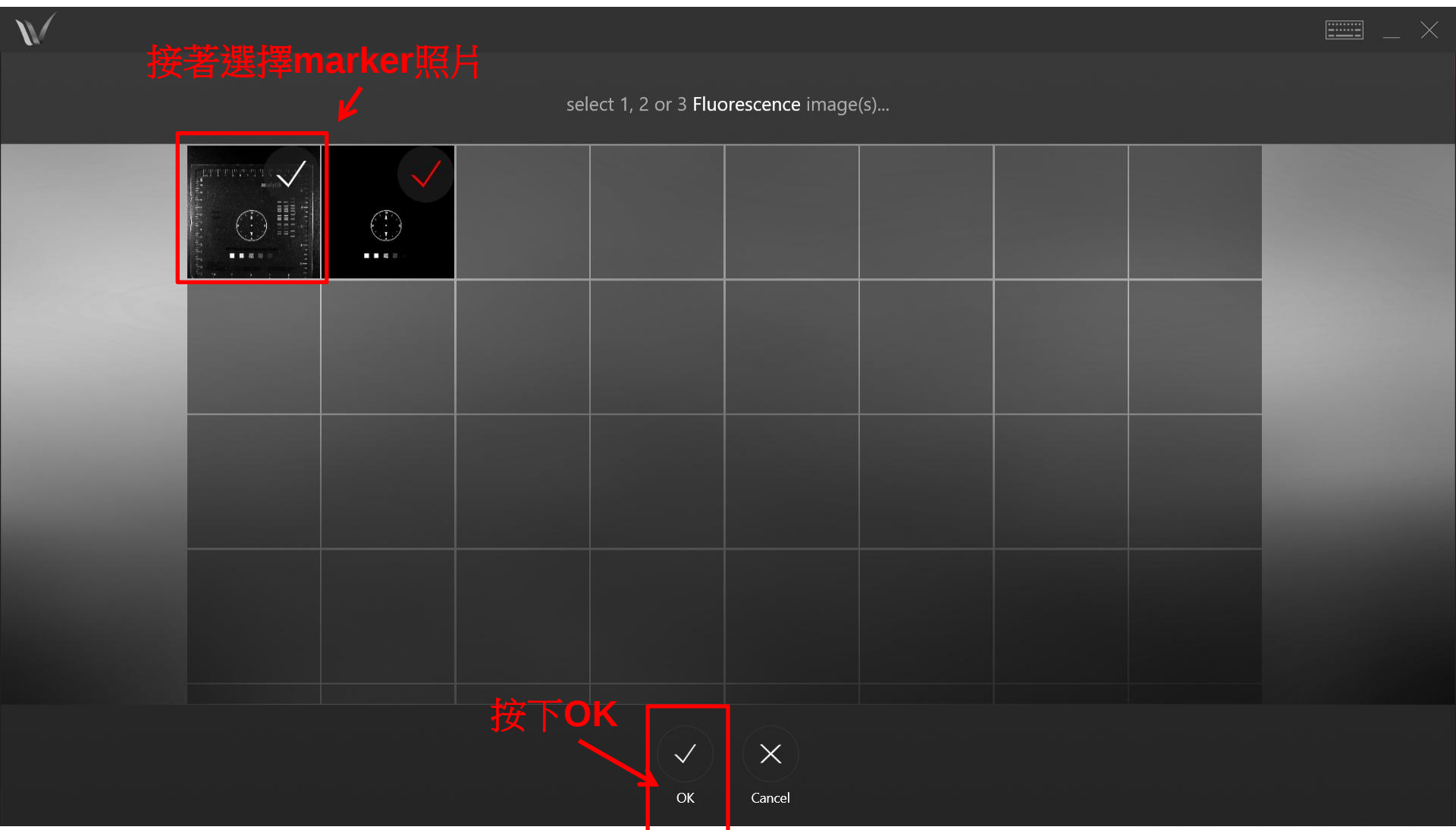
選擇目標照片

select Target image...

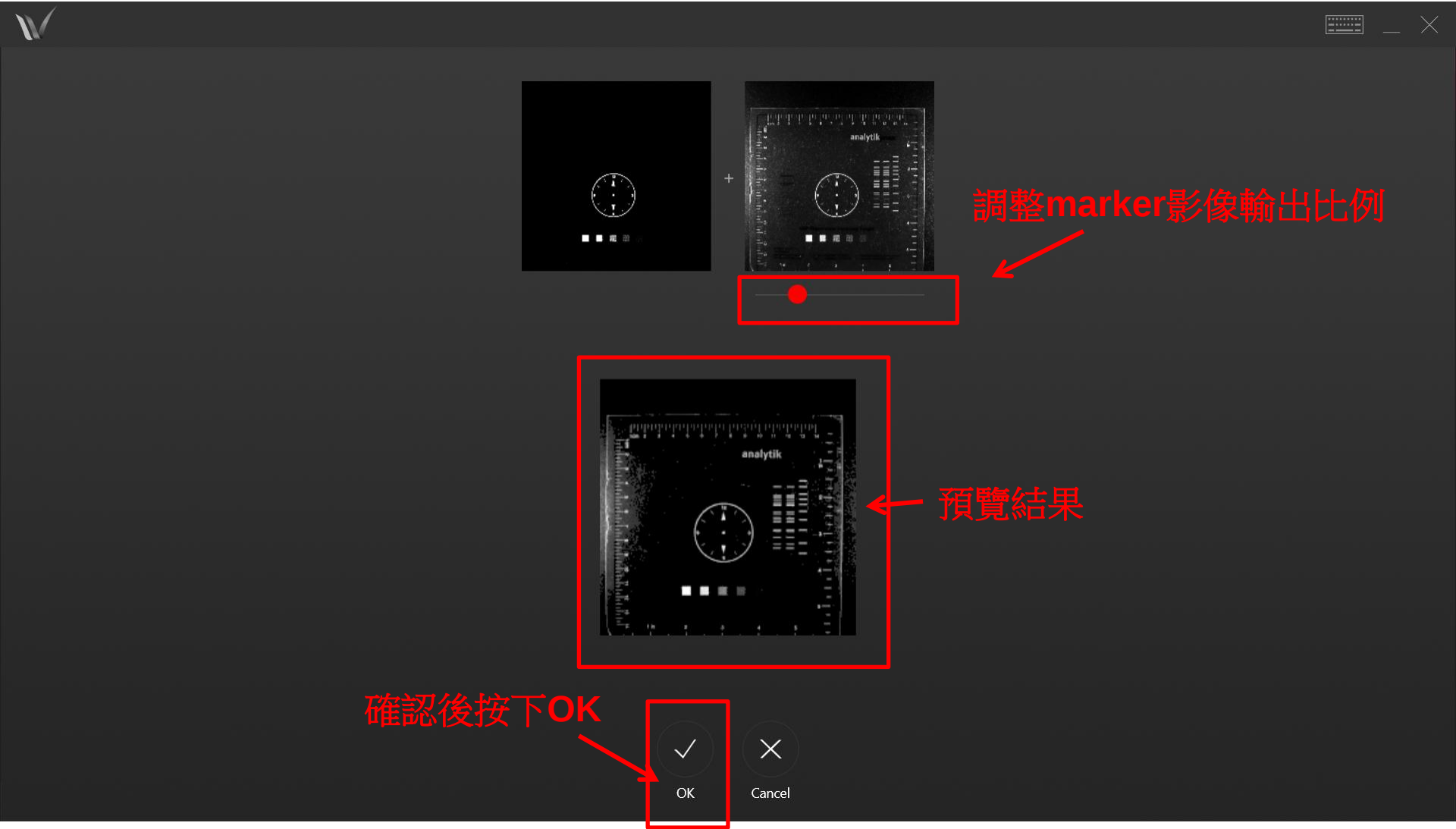
***WB的冷光結果與marker圖層合併**



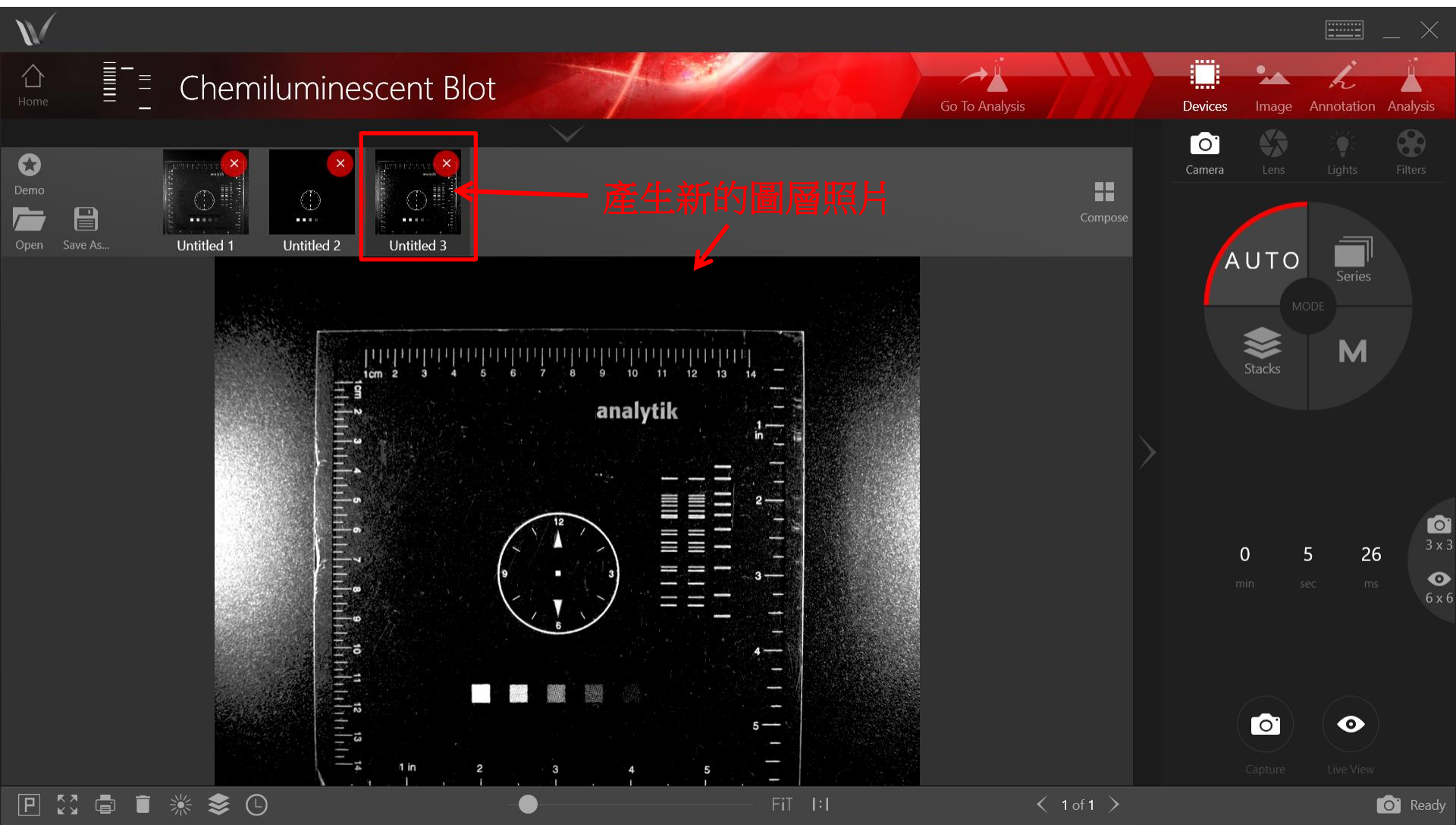
***WB的冷光結果與marker圖層合併**



***WB的冷光結果與marker圖層合併**



***WB的冷光結果與marker圖層合併**



***WB的螢光結果與marker圖層合併 (marker圖層為必要圖層)**

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Untitled 6

Untitled 12

Untitled 13

Untitled 14

Compose

Camera

Lens

Lights

Filters

AUTO

Series

MODE

Stacks

M

0 min

0 sec

1 ms

3 x 3

6 x 6

Capture

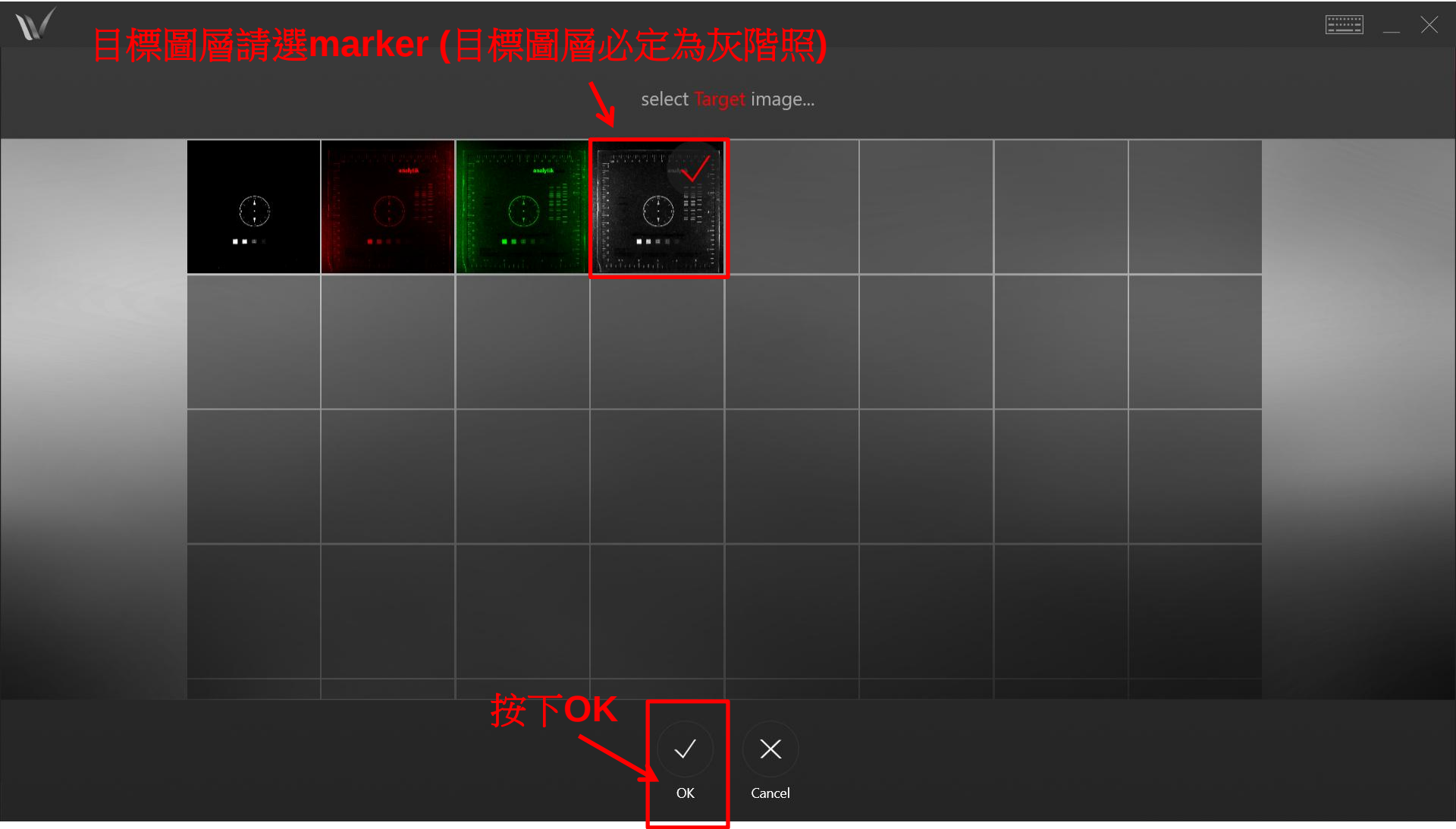
Live View

Ready

確定照片後，按下組合鍵 →

挑選滿意的照片，並停留在欲合併之照片位置

***WB的螢光結果與marker圖層合併 (marker圖層為必要圖層)**



***WB的螢光結果與marker圖層合併 (marker圖層為必要圖層)**



***WB的螢光結果與marker圖層合併 (marker圖層為必要圖層)**

The screenshot displays a software window for image processing. At the top, three panels show individual fluorescence channels: a grayscale image, a red channel, and a green channel. Each panel is labeled 'analytik' and contains a circular marker. Below each panel is a red dot and a horizontal slider. Red arrows point from the text '調整個螢光圖層訊號輸出強度' (Adjust the fluorescence layer signal output intensity) to these sliders. A central preview window, outlined in red, shows the combined result of the three channels. A red arrow points from the text '預覽結果' (Preview result) to this window. At the bottom, there are two buttons: 'OK' (with a checkmark icon) and 'Cancel' (with an 'X' icon). A red arrow points from the text '確認後按下OK' (Press OK after confirmation) to the 'OK' button.

***WB的螢光結果與marker圖層合併 (marker圖層為必要圖層)**



其他功能

*存檔



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Untitled 2

Untitled 3

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Filters

AUTO

Series

MODE

M

Stacks

0 min

5 sec

26 ms

3 x 3

6 x 6

Capture

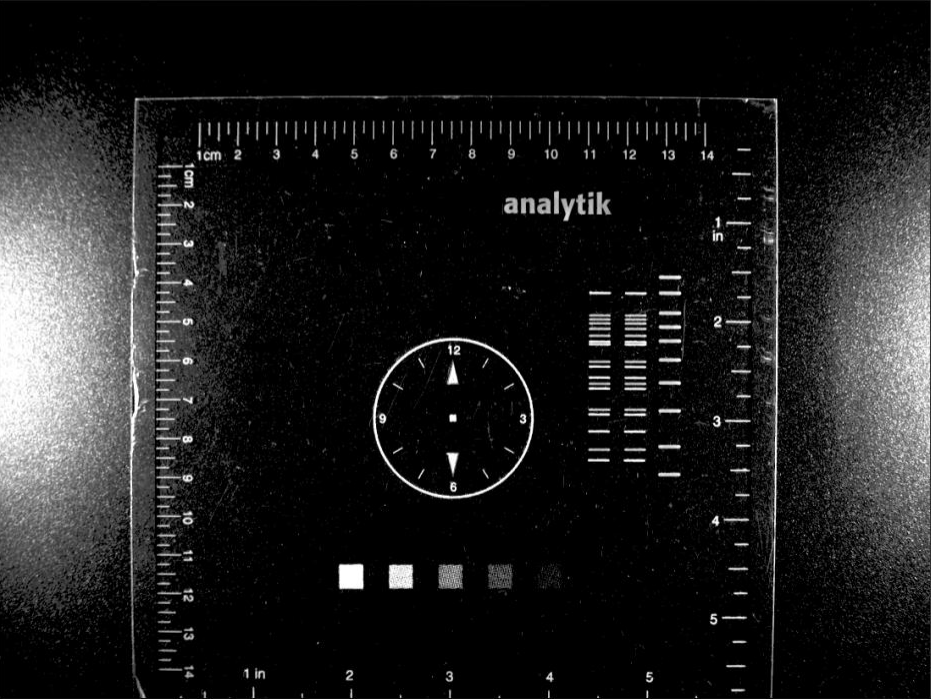
Live View

P

Fit

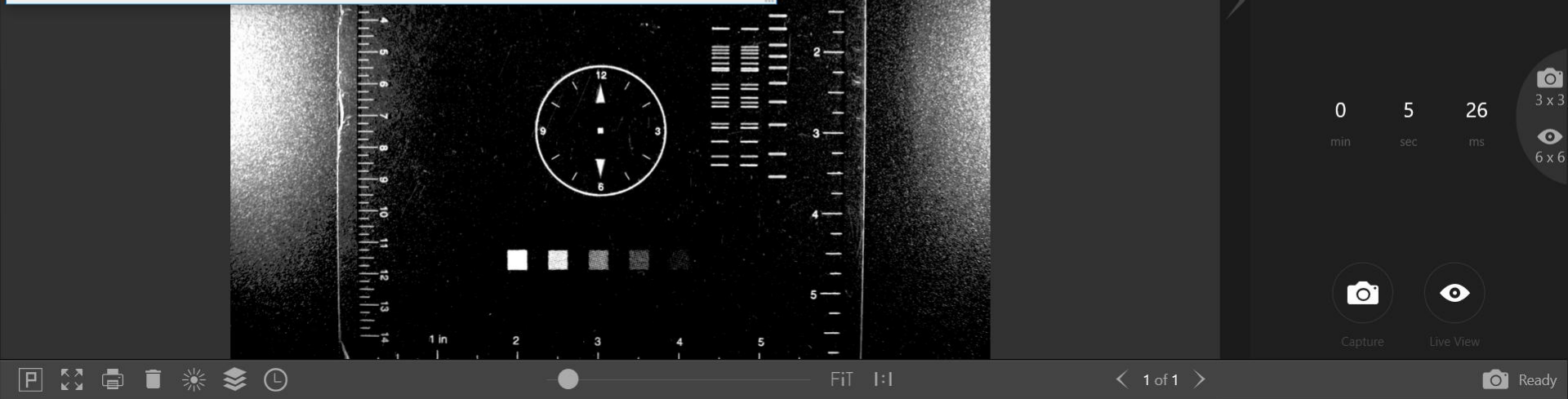
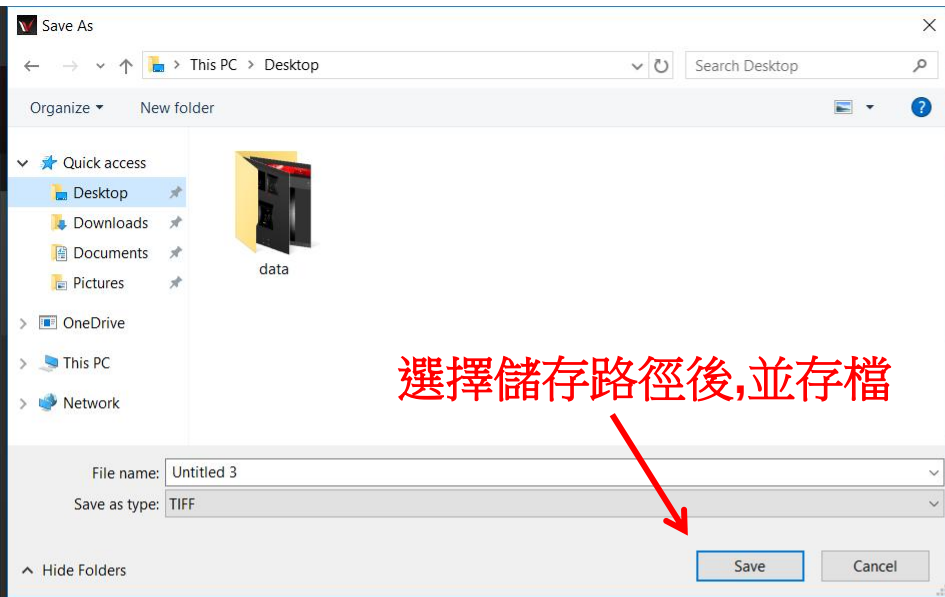
1 of 1

Ready

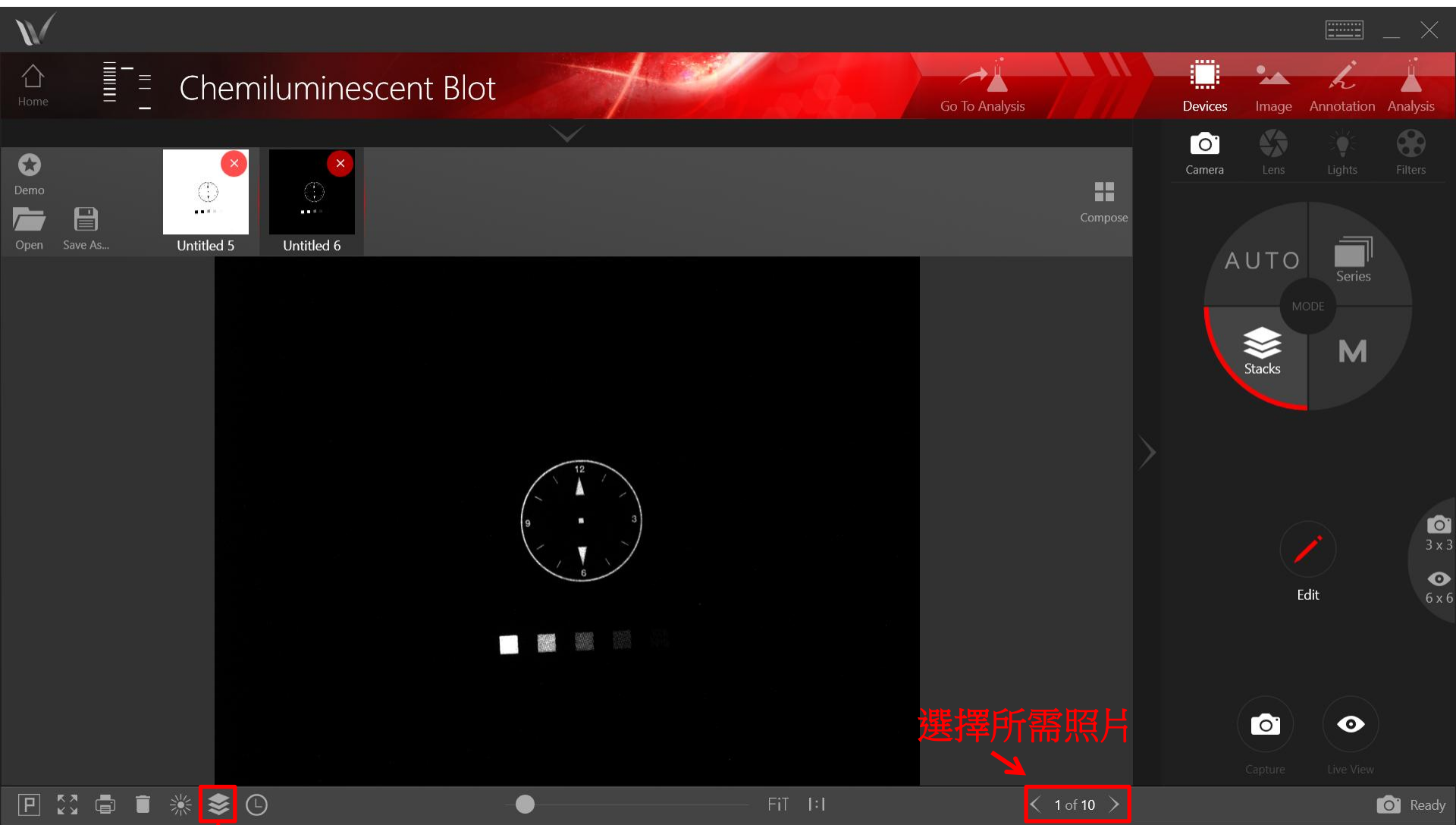


按下save as

***存檔**



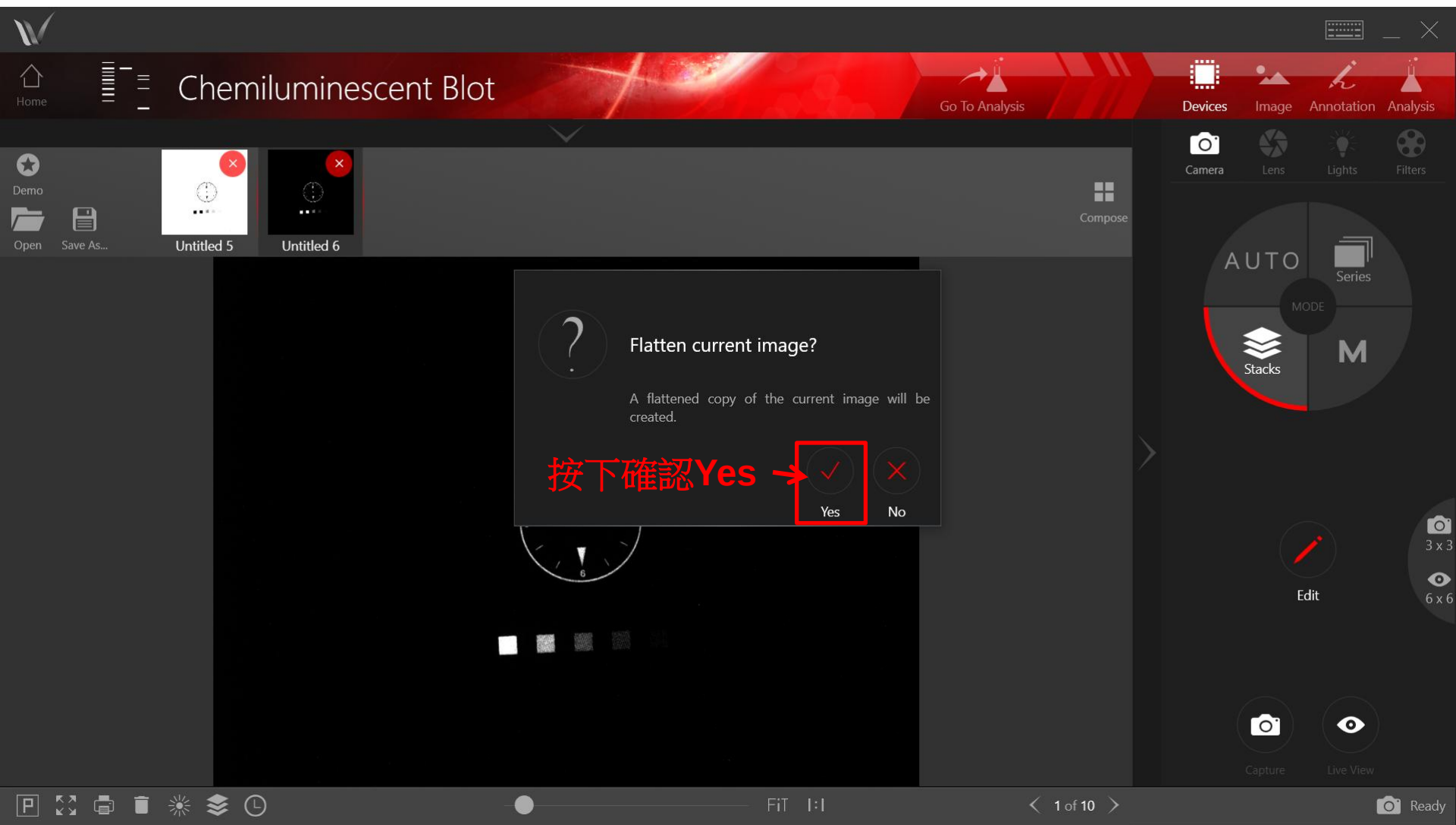
*單張照片截取



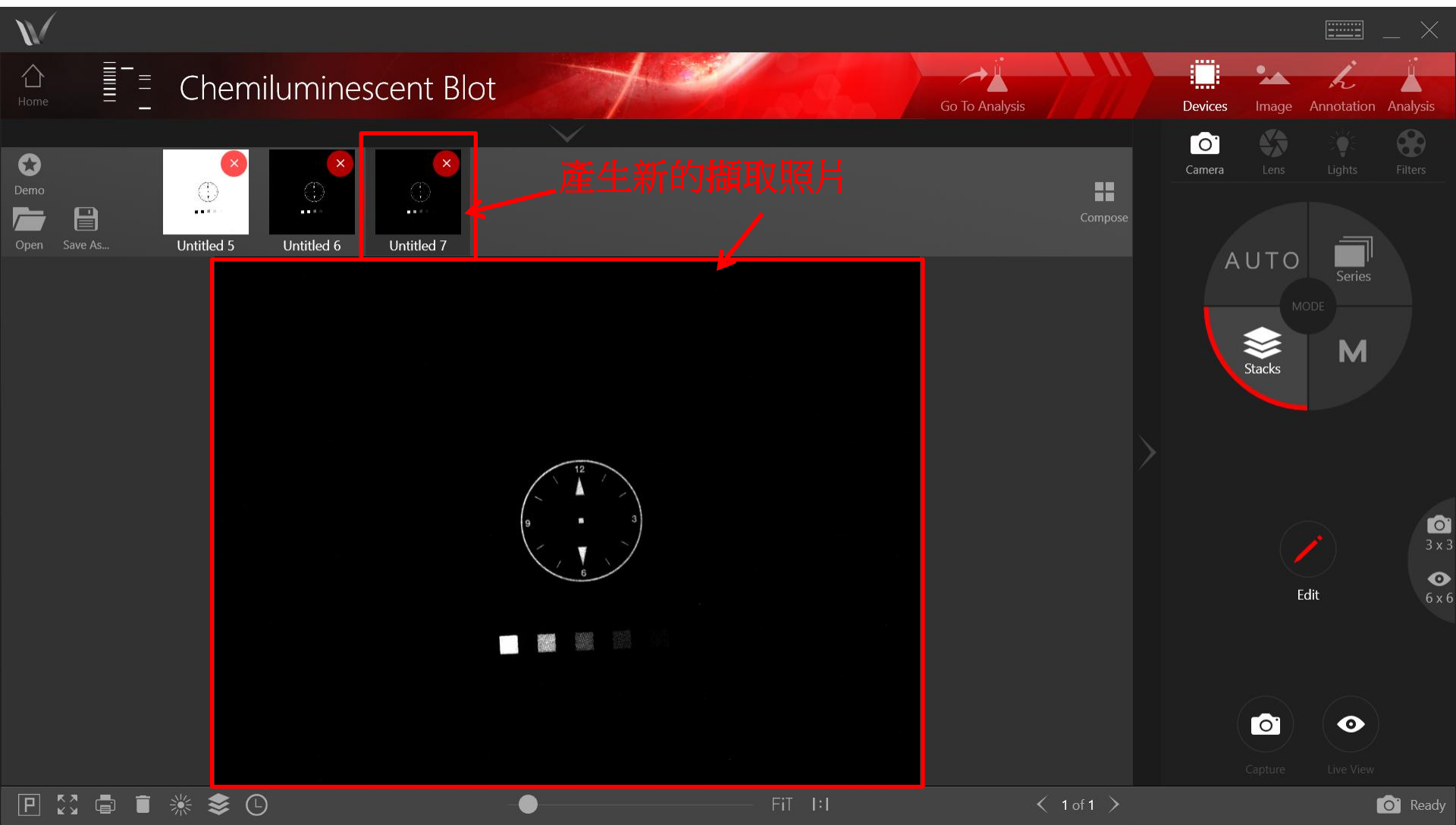
按下Flatten layer

選擇所需照片

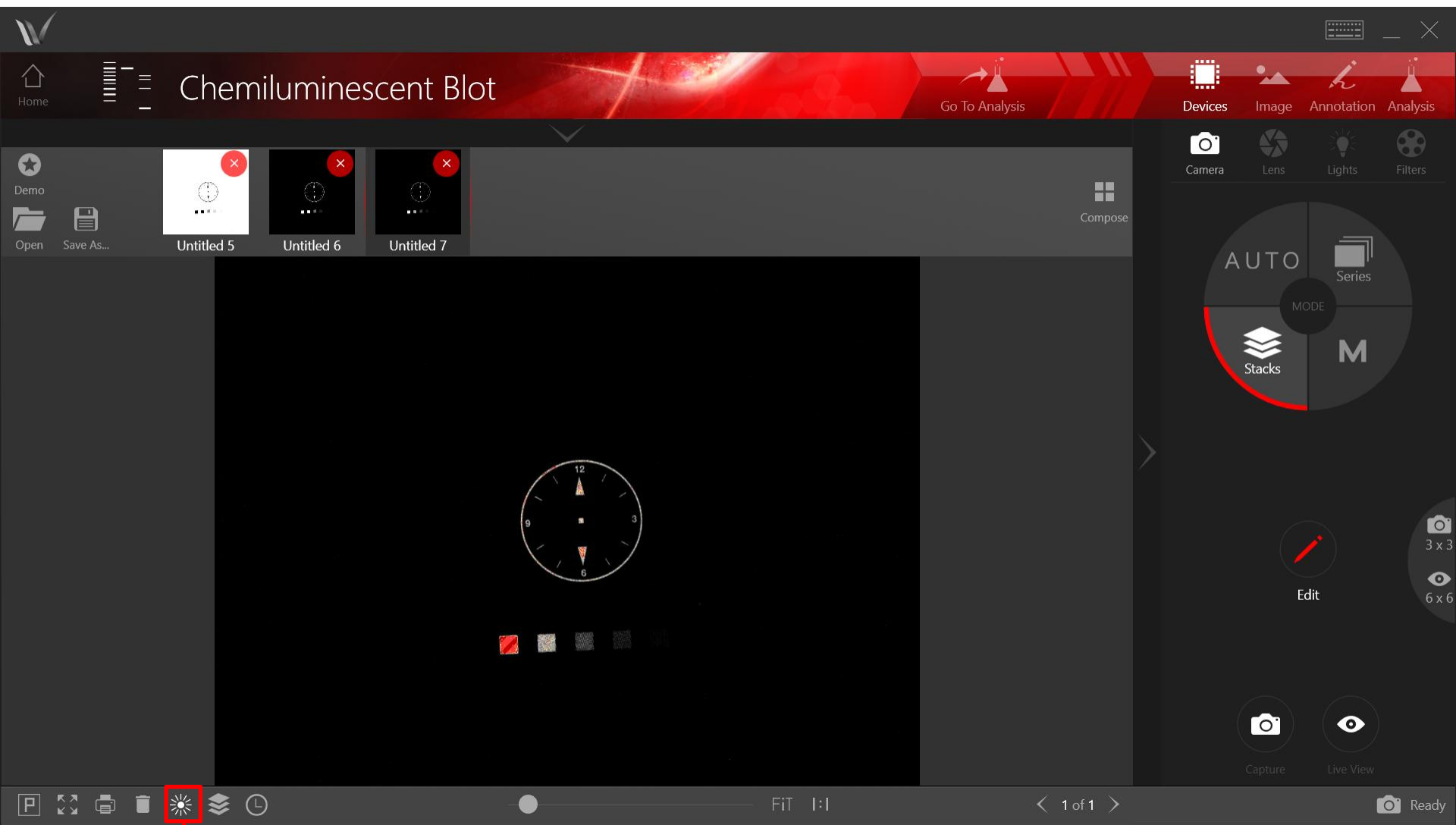
*單張照片截取



*單張照片截取

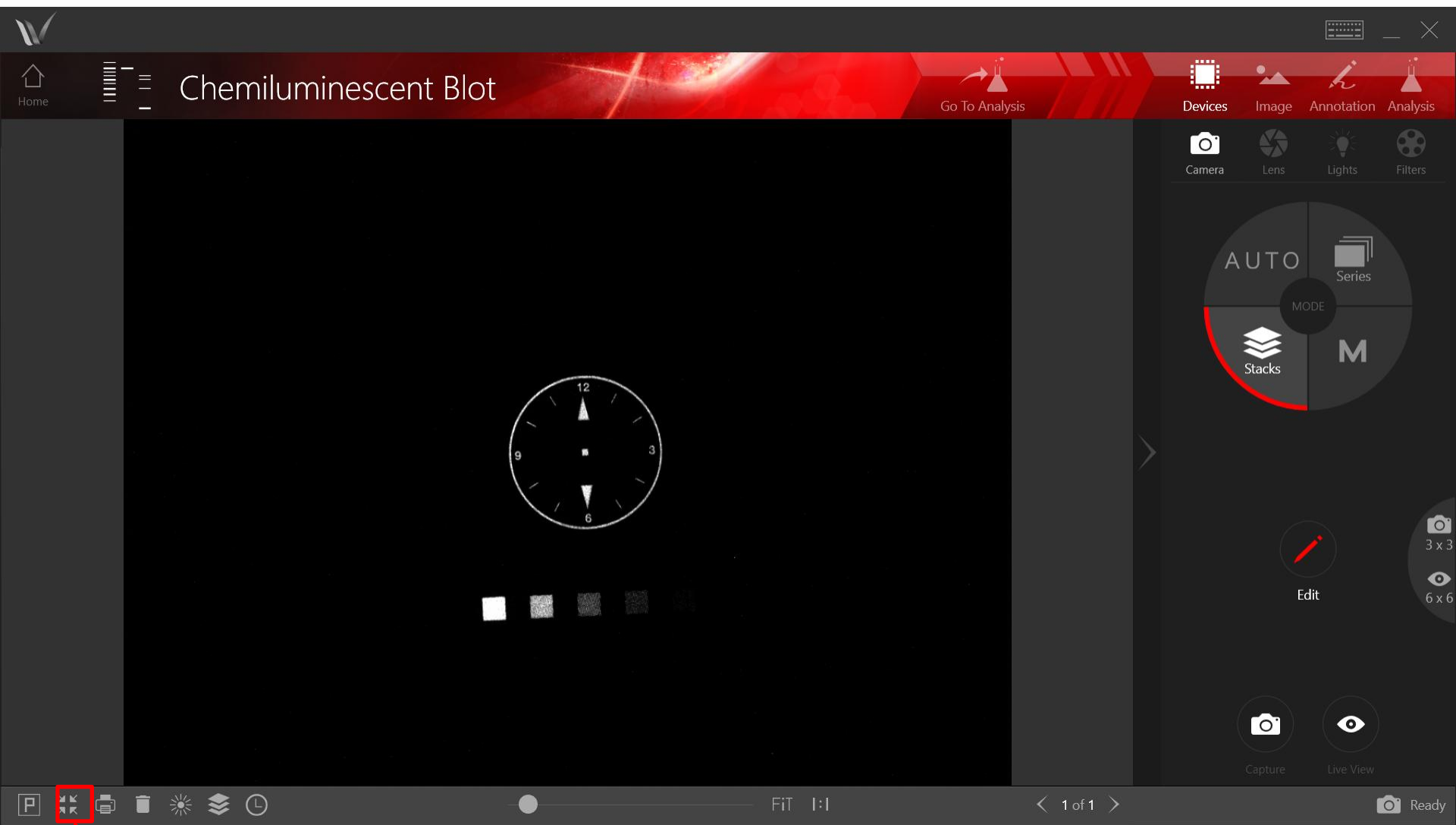


*訊號過飽和顯示



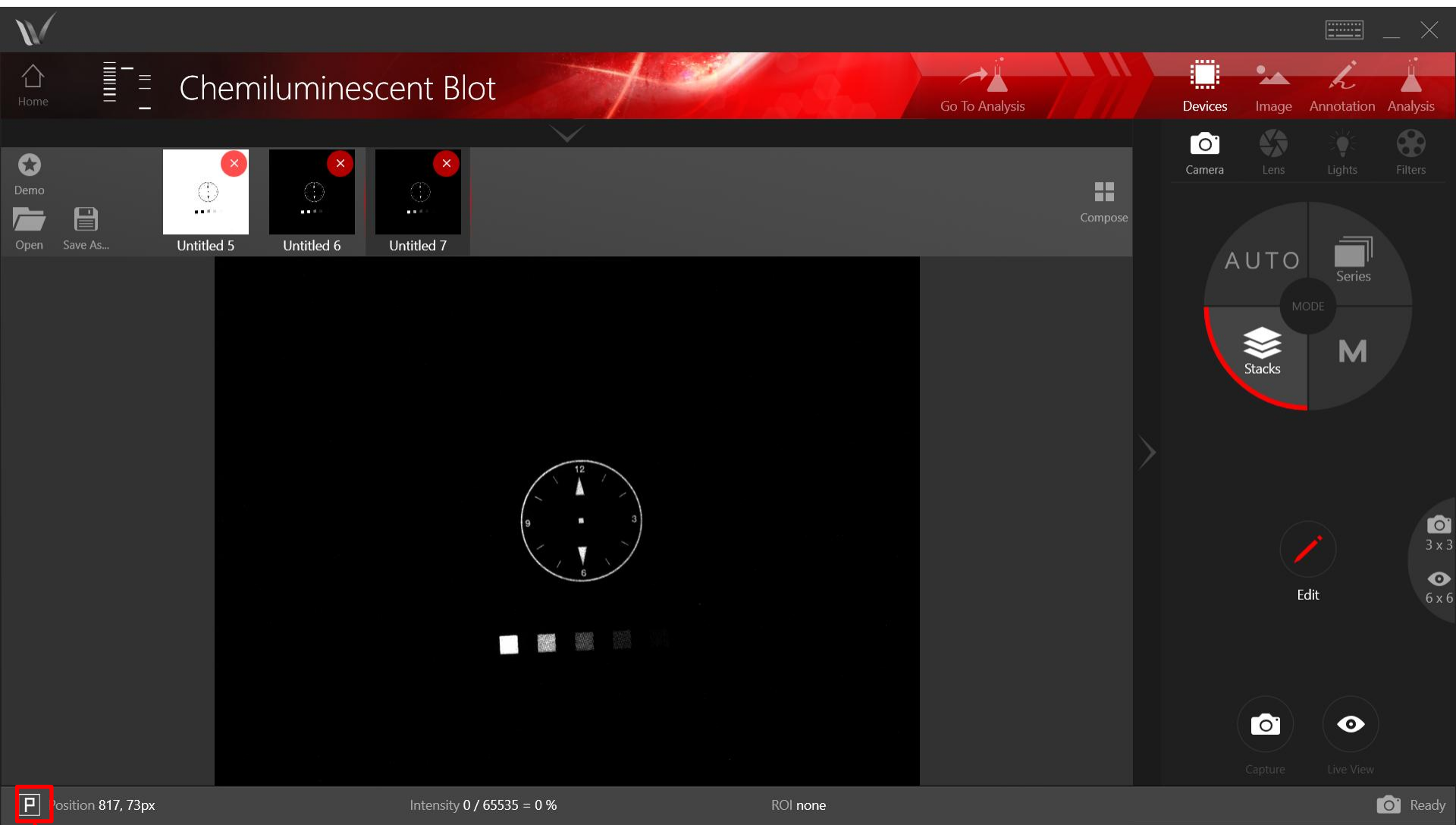
顯示saturation

*全景視窗



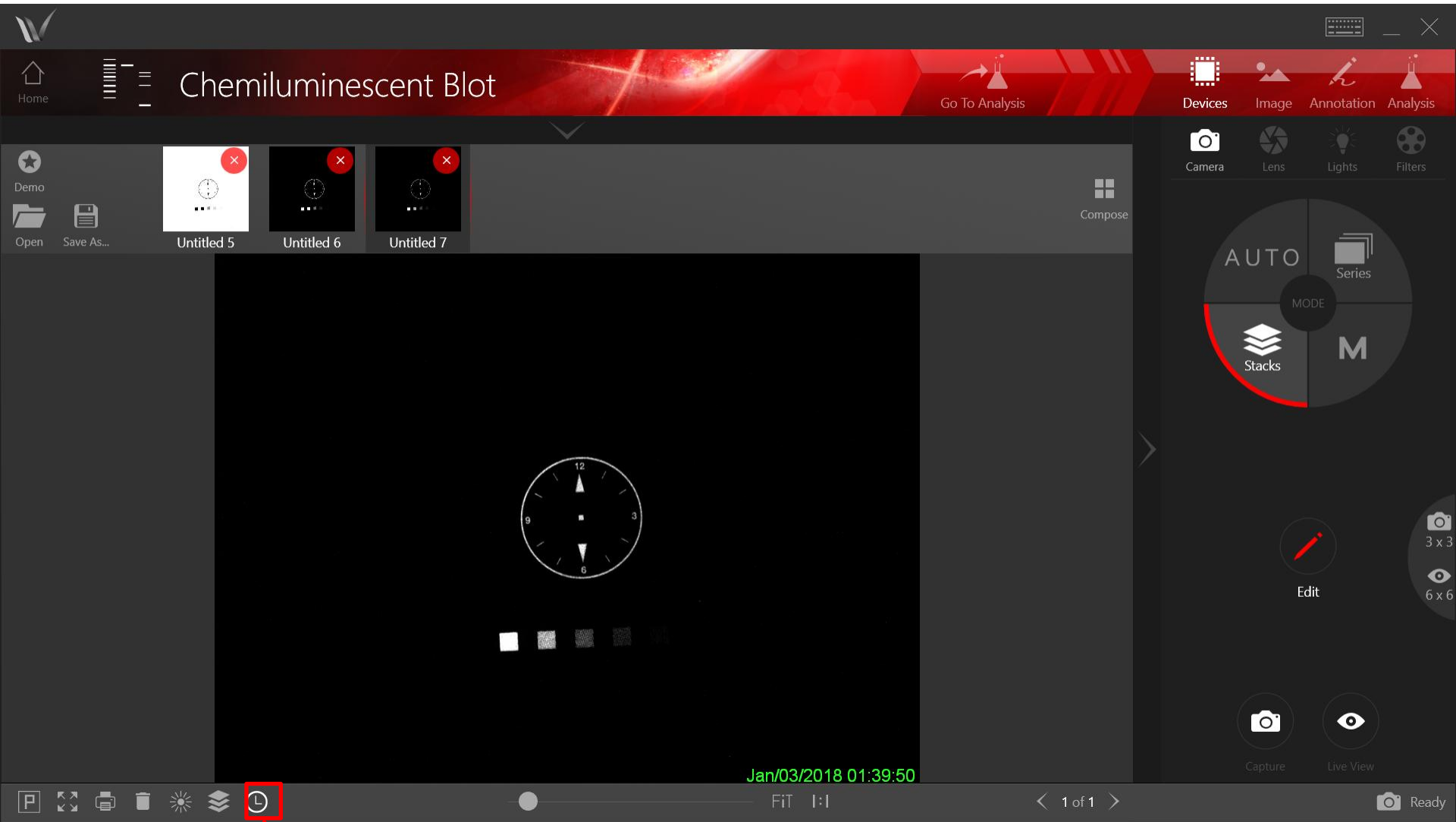
顯示/回復全景視窗

*顯示訊號強度資訊



顯示/回復訊號強度資訊

*顯示時間資訊



顯示/回復時間資訊

若有任何問題
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