

## 中國醫藥大學 ImageXpress Micro Confocal 上樣前注意事項:

### 1. 物鏡:

Objective	NA	WD (mm)	Ph	CC
4X, PLAN APO LAMBDA	0.2	20	No	No
10X, PLAN APO	0.45	4	No	No
20X, S PLAN FOUOR ELWD ADM	0.45	7.0-8.1	Ph1	Yes
40X, S PLAN FLUOR ELWD	0.6	2.7-3.7	No	Yes

NA: Numerical aperture

WD: Working distance

Ph: Phase ring

CC: Correction collar

### 2. 濾鏡:

Filter	Excitation(nm)	Emission(nm)
DAPI	377/54	447/60
FITC	475/34	525/45
Cy3	531/40	593/40
Texas Red	560/32	624/40
Cy5	631/28	692/40

### 3. 活細胞系統:

溫度控制: 室溫+8°C to 40°C

氣體: 5% CO<sub>2</sub>+ 95% air

### 4. 儀器環境注意事項:

溫度: 15 to 30°C

濕度: 35% to 50% non-condensing

### 其他資訊

#### 1. Live cell tracing dye:

Invitrogen CellTracker™ fluorescent probes

Cat. No.	CellTracker™ Probe	Ex(nm)	Em(nm)	Adapted filter
<b>C2111</b>	CellTracker™ Blue CMHC	372	470	DAPI
<b>C2925</b>	CellTracker™ Green CMFDA	492	517	FITC
<b>C34551</b>	CellTracker™ Orange CMRA	548	576	Cy3
<b>C34552</b>	CellTracker™ Red CMTPX	577	602	Texas Red

\*紅色為實際使用效果較佳之品項

Molecular Targeting Technology Inc. CellVue dye

Cat. No.	CellVue®	Ex(nm)	Em(nm)	Adapted filter
<b>C-1001</b>	CellVue® Maroon	631	692	Cy5
<b>C-1009</b>	CellVue® Jade	478	508	FITC
<b>C-1011</b>	CellVue® Red	567	588	Cy3

2. 建議使用 96 孔盤:

Brand	Cat. NO.
<b>BD Falcon</b>	353219
<b>Greiner</b>	655090
<b>Corning</b>	3904
<b>PerkinElmer</b>	6005182

3. 建議玻片

- 載玻片: 25\*75mm, 厚度 1mm
- 蓋玻片: 厚度 0.17mm