

## Tips and Remarks for using SPD-M40 in compatible mode

“Compatible mode” allows the Nexera or the related devices to perform with the software which does not support them. Please read this document carefully to utilize this function.

### [ CAUTION ]

- ✓ SPD-M40 should be set to “M20A mode.”
- ✓ In the M20A compatible mode, **a number of photodiodearray is recognised as “512”, although 1,024 photodiodearrays are placed on SPD-M40. The data is acquired in this condition.**
- ✓ “Master setting” function is deactivated as well as SPD-M20A. Please write down the same name as the system name in the master server box, via the web browser.
- ✓ CBM type, either CBM-20A/20Alite, SCL-40, or CBM-40/40lite, is not related to using M20A compatible mode.

### 1 Specifacaton of the photodiodearray

The number of photodiodearrays on the detector is recognised as following, and data is also acquired depends on each conditions;

SPD-M40	: 1,024
SPD-M20A	: 512
SPD-M40 (in compatible mode as M20A)	: 512

Please also refer to “4. Functions with restrictions” in the next page.

### 2 How to set “M20A compatible mode” on SPD-M40

1. Insert CD into PC and open “SPD-M40 Utility” program.
2. Enter [IP address], [User ID], and [Password] in each box, and click [OK]. (Default setting: User ID: *Admin*, Password: *Admin*)
3. Click [Inst. Info].
4. Click [Run as M20A compatible] to set the “M20A compatible mode.”

### 3 How to set the system configuration with SPD-M40

1. Open Internet Explorer window and type [http://(IP address of SPD-M40)] in the URL bar.
2. Enter [User ID] and [Password] in each box, and click [OK]. (Default setting: User ID: *Admin*, Password: *Admin*)
3. In [Inst. Info] tab, write down the same name as the system, for the “master server name.” \*A blank box is not acceptable anymore while it was ok previously.

#### 4 **Functions with restrictions**

	SPD-M40	SPD-M40 in compatible mode
Number of photodiodearray	1,024	512
Wavelength setting	190 – 800 nm	190 – 800 nm
Cell ID recognition	Available	Not available
UV-cut-off filter	Available	Not available
Cell Temp. Ready Check	Available	Not available
Light energy to record in data	Available	Not available

#### 5 **Functions with restrictions via other vendor's CDS**

	Empower		Chromeleon		Open Lab	
	N	C	N	C	N	C
Number of photodiodearray	1,024	512	1,024	512	1,024	512
Wavelength setting	190 – 800 nm					
Cell ID recognition	A	N.A.	A	N.A.	A	N.A.
UV-cut-off filter	A	N.A.	A	N.A.	A	N.A.
Cell Temp. Ready Check	A	N.A.	A	N.A.	A	N.A.
Light energy to record in data	A	N.A.	A	N.A.	A	N.A.

N: Native mode = SPD-M40 performs as SPD-M40.

C: Compatible mode = SPD-M20A is recognized as SPD-M20A.

A: Available, N.A.: Not available

To make SPD-M40 perform in native mode, the appropriate driver version of each CDS to control 40 series is required.