



MOONS plate-I (Order No. 08517)

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General

Please check delivery for transport damage when unpacking.

Description

24well plate for measurement of changes in impedance on transparent substrate for optical access; equipped with adhesion promoting agent for opto-chemical sensor-spots.



In general **MOONS plate-I** may only be used in combination with cellasys MOONS platform by **qualified personnel** of a research or healthcare institution.

Read the **MOONS manuals** thoroughly and carefully follow the instructions and guidelines provided.

Drawings (top side)

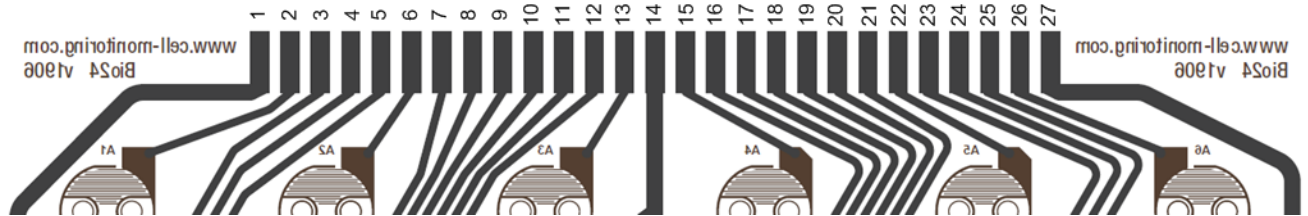


Figure 1: Pin numbers

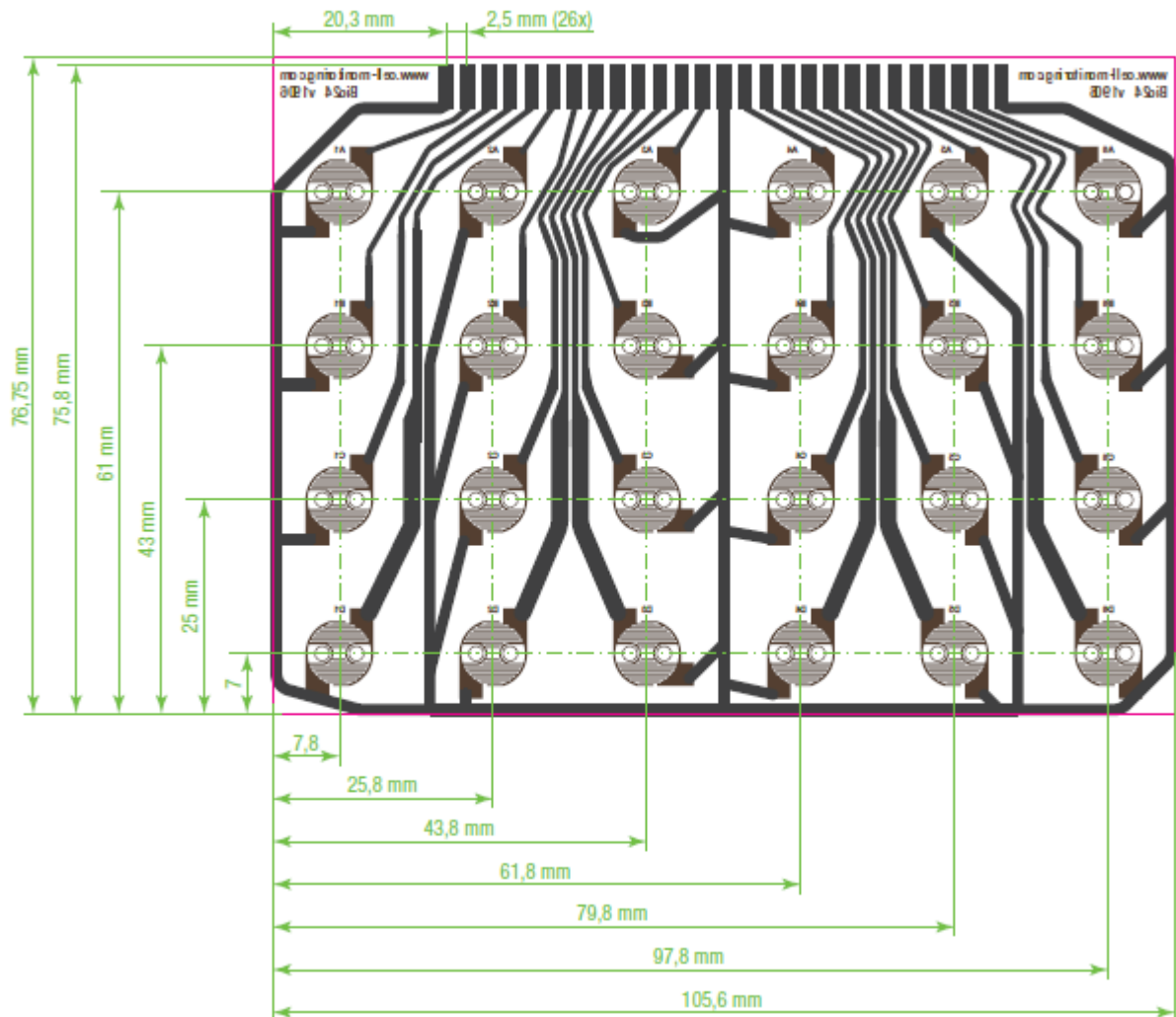


Figure 2: Dimensions

Adhesion promoting agent

An adhesion promoting agent for opto-chemical sensor-spots is applied onto designated areas onto the top side.

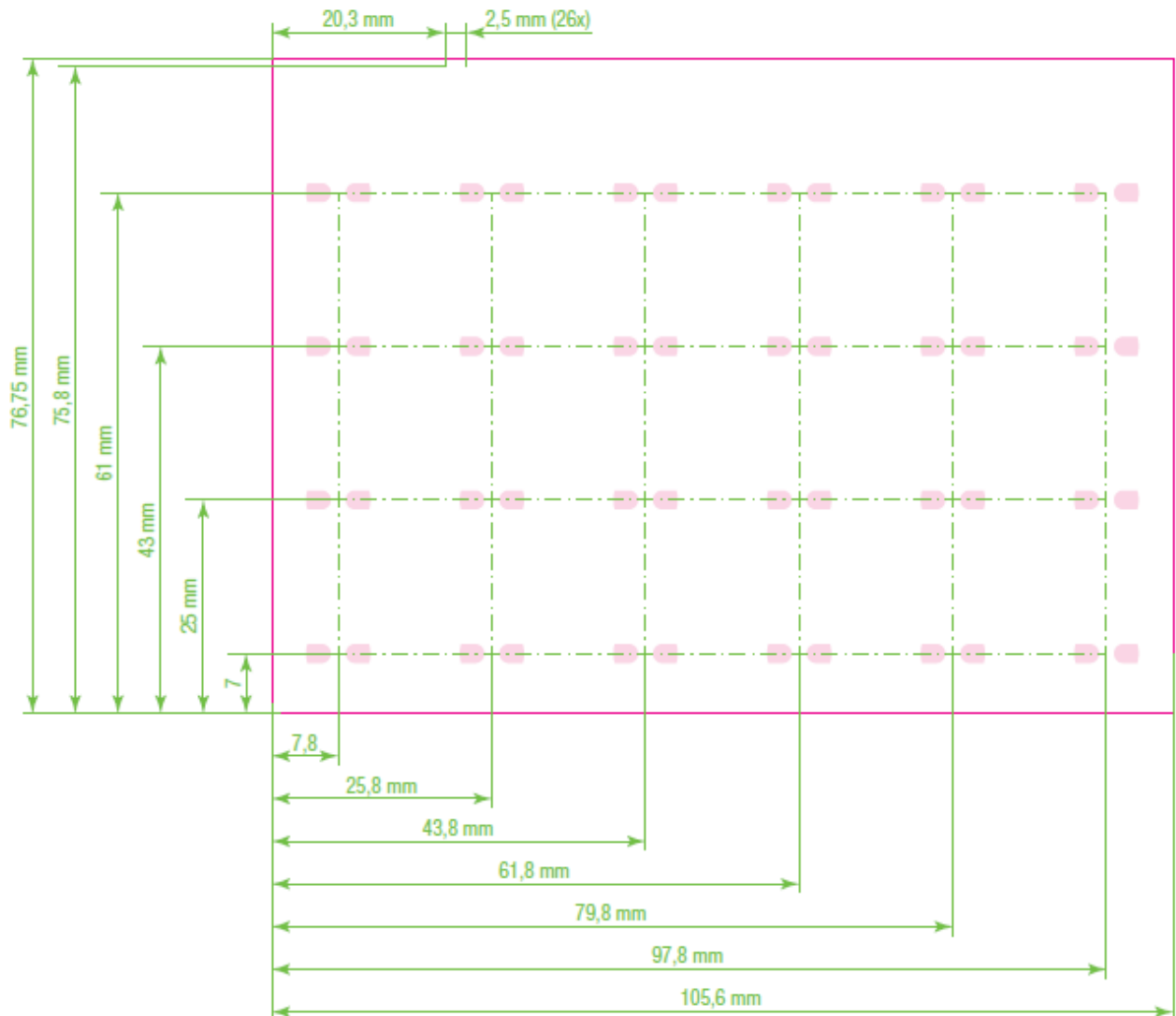


Figure 3: Dimensions of adhesion promoting agent

Pin configuration

Pin No.	Name	Description
1	REF	Connected to all 24 sensors (pin 1, 14 and 27 are short)
2	A1	Sensor A1
3	B1	Sensor B1
4	C1	Sensor C1
5	D1	Sensor D1
6	A2	Sensor A2
7	B2	Sensor B2
8	C2	Sensor C2
9	D2	Sensor D2
10	D3	Sensor D3
11	C3	Sensor C3
12	B3	Sensor B3
13	A3	Sensor A3
14	REF	Connected to all 24 sensors (pin 1, 14 and 27 are short)
15	A4	Sensor A4
16	B4	Sensor B4
17	C4	Sensor C4
18	D4	Sensor D4
19	D5	Sensor D5
20	C5	Sensor C5
21	B5	Sensor B5
22	A5	Sensor A5
23	D6	Sensor D6
24	C6	Sensor C6
25	B6	Sensor B6
26	A6	Sensor A6
27	REF	Connected to all 24 sensors (pin 1, 14 and 27 are short)

Technical data

Dimensions:	85 x 127 x 12 mm ³
Weight:	53 g
Optical properties	200 µm PET foil
Operating temperature:	0 °C to +80 °C

Impedance (IDES)

Dimensions:	~ 40 mm ²
Layer thickness supply line:	8 µm ± 2 µm
Layer thickness sensor:	8 µm ± 2 µm
Geometry:	100 µm width, 100 µm distance
Lead resistance:	1 Ω (A3) to 5 Ω (D5)
Response time (t ₉₀):	< 1 s

Adhesion promoting agent

An adhesion promoting agent for opto-chemical sensor spots is applied according to figure 3.

Intended use

The MOONS plate-I is designed to be used in combination with the MOONS product series, for multiparametric measurement of cellular metabolism and morphology.

Intended misuse

The MOONS plate-I must not be used for diagnostic or therapeutic purposes.

Liability / Copyright

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