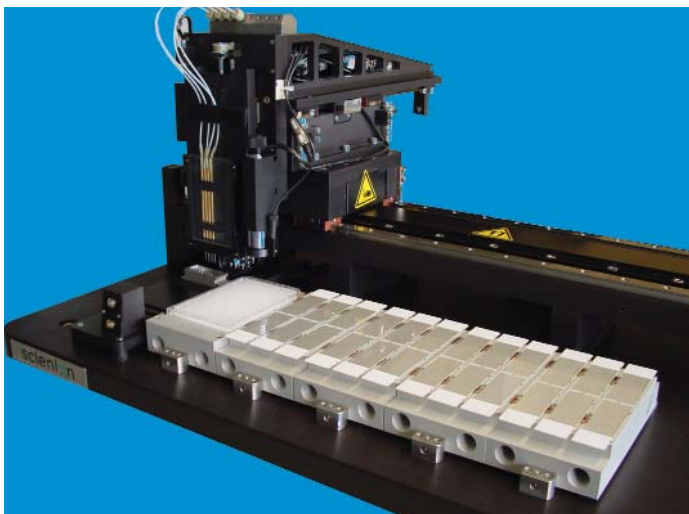


Scienion sciFLEXARRAYER™



FEATURES AND BENEFITS

NON CONTACT DISPENSING

- Transfer Volume is not Affected by the Substrate
- Highly Reproducible
- "Free-Fly" of droplets allows dispensing liquids into small cavities

FAST

- > 1000 drops/s
- Efficient Mixing of Reagents

SOFTWARE

- Flexible and Easy Design of Chip Layout
- Set up of Individual User Profiles

PRODUCT DESCRIPTION

The sciFLEXARRAYER Piezo dispenser is a non contact system that dispenses with a high dynamic volume range. The sciFLEXARRAYER is available in two formats (the s5 or s11) and comes with up to eight chemically inert dispense nozzles. The s5 and s11 can accurately aspirate and dispense aqueous and organic solutions as well as living cells.

The sciFLEXARRAYER dispenser includes a low volume wash station and an ultrasonic cleaning function for the glass nozzles. A high resolution optical drop control system can be configured onto either the s5 or the s11 sciFLEXARRAYER platforms.

Either the s5 or the s11 can be configured for a broad range of substrates from glass slides, microtiter plates, MALDI-MS sample plates, chambered glass slides, membranes and HTA™ Formats.

PERFORMANCE

Piezo Dispensing
Non Contact
Drop on Demand
Dispense Frequency
1-2000 Hz
Minimal Dispense Volume
150 pL (PDC 50)
300 pL (PDC 70)
500 pL (PDC 90)
Minimal Sample Update
0.5 0 1 µL
X-Y Motion
< 5 µm
Z Motion
< 10 µm

SPECIFICATIONS

DIMENSIONS (L x W x H)

s5: 83 cm x 58 cm x 60 cm

s11: 135 cm x 58 cm x 60 cm

CAPACITY

S5: 5 Microtiter Plates or 30 slides
(standard 1 MTP + 24 slides)

S11: 11 Microtiter Plates or 66 slides
(standard 1 MTP + 60 slides)

CAPILLARY ORIFACE

50 μ m (PDC 50)

70 μ m (PDC 70)

90 μ m (PDC 90)

OPTIONS

1-8 PIEZO DISPENSE CAPILLARIES

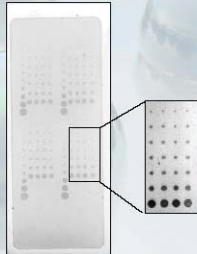
HIGH RESOLUTION OPTICAL DROP CONTROL SYSTEM

INDEPENDENT, SECOND WASH STATION

HUMIDITY CHAMBER

HEPA FILTER

Non Contact Protein Lysate Spotting
scIFLEXARRAYER: initial tests on nitrocellulose



- Deposited on Schleicher&Schüll Slides
- Spotted probe: Protein-Lysate 2.5 μ g/ μ l
- AB Staining
- SCIENTION buffer

