

BIS BIO SPOTTERS™

A flexible new solution, versatile personal spotting tool for SNP Mapping, Genotyping, Differential Gene Expression, Proteomics & Other Applications

Bio Spotter™



- 1536 well compatible
- 50 slide capacity with pre-spotting
- 100 microns spot size
- 3 x 3 head at 4.5 mm center-to-center distance
- Dual peristaltic pumps with blower / vacuum drying

Bio Integrated Solutions Inc
1299 North Arbor Lane, Palatine IL 60067
(847) 712-3085 ; (815) 642-0975 (FAX)
www.biointsol.com



Modular, Flexible Layout

Software:

The Bio Spotter software with user friendly GUI provides high flexibility in the creation of the source plate and the pattern on the glass slide, providing extensive control over the entire protocol design and minimize set up time.

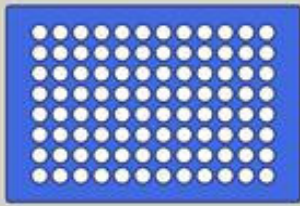
Interface	Windows-based GUI
Protocols	Create and save custom array map, cleaning protocol, standard templates, quick test run feature
Flexibility	Provides a flexible well map as the source for printing of arrays compatible with the print head. Ability to generate source plate based. Tracks sample placement in arrays and imports external files for array selection or source plate formatting on slide configuration. Generates comprehensive log file to track any given array location.



BioIntegrated
SOLUTIONS

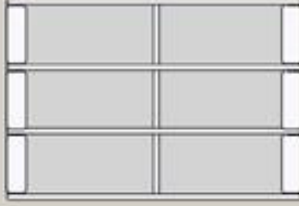
Empowering BioTechnology™

New Protocol



Nunc V-Bottom

Source



6 Slide Tile

Destination Plate or Tile

Please specify the source plate type

- Nunc Glass Bottom
- Nunc V-Bottom
- Matrix Glass Bottom
- Nunc U-Bottom

Please specify the destination plate or tile type

- 6 Slide Tile
- Nunc Glass Bottom
- Nunc V-Bottom
- Matrix Glass Bottom

Please specify the pin spacing on the print head

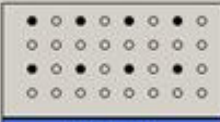
☐ 4.5 mm ☐ 9.0 mm

Please specify print head of high volume or low volume pins

☐ HV ☐ LV

Please specify the number of print head pins in the x and y direction

X: 4 Y: 2



LV Print Head

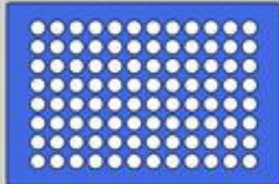
OK

Cancel

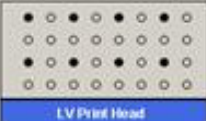
Log Protocol Definition

Deck Layout Array Definition Destinations Prime, Wash, and Dry Heights

Transfer Mode: 96 Well Source → Slides



Source at Location No. 2



LV Print Head

☒ March Thru Source Plate

Please specify the number of pre-spotting contacts

Pre-spotting Contacts: 6

Please select a plate or tile for the active (red) location

- Empty
- Wash Station 3 - Only Location (4)
- Pre-spotting Slide Tile
- Source
- Destination

Source

Nunc V-Bottom

Destination

6 Slide Tile

Please specify the deck location to edit

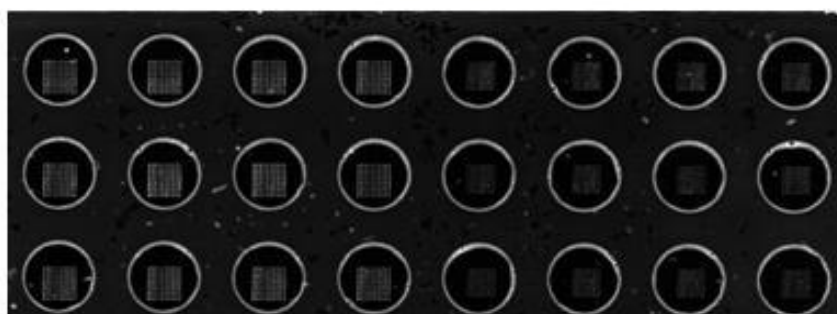
Wash Station 1 and 2 - Vacuum Station	Destination	Destination
(1 - Flood)	(4)	(7)
Source	Destination	Destination
(2)	(5)	(8)
Pre-spotting Slide Tile	Destination	Destination
(3)	(6)	(9)

Bio Integrated Solutions Inc
1299 North Arbor Lane, Palatine IL 60067
(847) 712-3085 ; (815) 642-0975 (FAX)
www.biointsol.com



BioIntegrated
SOLUTIONS

Empowering BioTechnology™



The image shows the spots of 100 and 90 microns diameter with 200 microns center-to-center spacing forming a 12 x 12 array inside a standard glass bottom microplate.

Instrument Configuration	STANDARD
Dimensions W x D x H	29.50" x 25.00" x 22.50" 749mm x 635mm x 570mm
Platform Dimensions	16.50" x 17.25" x 8.00" 419mm x 440mm x 200mm
Tiles	12
Slide Capacity	30
Dummy Slides	5
96 Well Plates, 384 Well Plates 1536 Well Plates	Yes
Pin Head Capacity	9
Linear Stages	Linear/Stepper-Feedback
Precision	10 μ m
Washing Of Pins	Standard
Heated Air	Optional
Vacuum / Blower	Standard
Printing Modes	Pin Tools
Clear Enclosure	Standard
Humidity Control	Optional
Cooling Tiles	Optional
Disposable Tips	Optional
Print Heads	Disposable/ Fixed
Reformat Source Plate	Yes
Regulatory Standard	Compliance with CE
Applications	Serial Dilution Cherry Picking Array Printing MALDI Spotting Expression Analysis Proteomics

Bio Integrated Solutions Inc
1299 North Arbor Lane, Palatine IL 60067
(847) 712-3085 ; (815) 642-0975 (FAX)
www.biointsol.com