

BNX 1536 LIQUID HANDLING SYSTEM

- *Combined dispenser and washer*
- *Four independent dispense channels*
- *Low dead volume*
- *Fast! Dispenses 384 wells in 8 seconds, 1536 wells in 15 seconds*
- *Small footprint, self-contained*



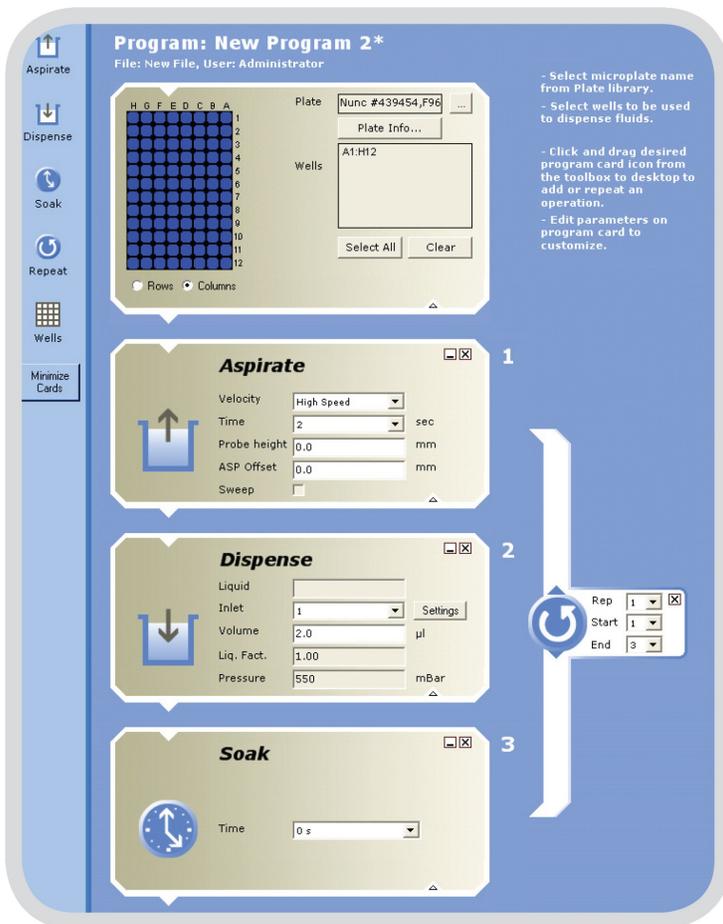
BNX 1536 Liquid Handling System

The BNX 1536 liquid handling system provides both precise dispensing and thorough microplate washing in a single instrument. The small footprint houses a built-in vacuum and air pressure pump; no external vacuum pumps are needed. Each of the four reservoir bottles has its own fluid path to individual dispense heads, allowing four different fluids to be dispensed into a single microplate. A single aspiration head allows fast and efficient

liquid removal from microplate wells for plate washing applications. The intuitive software provides a high degree of control over operating parameters, allowing rapid processing of robust assays and gentle processing of cell based assays. The system is robot compatible, with a robot friendly plate carriage and accessible RS-232 COM port.

Flexible Software

With its Windows® compatible, drag-and-drop software, the BNX 1536 provides a high degree of control over process parameters. Column selection offers the choice of dispensing only a few columns, or a complete plate. For optimal dispense accuracy, the software allows fine tuning the dispense volume using the Liquid Factor tool. Dispense pressure can be lowered for a gentler dispense when using loosely adherent cells or weakly bound antibodies. Aspiration controls allow the probe height, probe offset, aspiration rate and aspiration time to be set for lowest residual volume or gentlest processing.



Key Features and Benefits

- Configurable for 96–1536-well plates
- Minimum dispense volume of 0.5 µL
- Built in magnetic stirrer for uniform cell dispensing

Performance Specifications

Dispense Range: 96-well format: 2.0–500 µL
 384-well format: 0.5–120 µL
 1536-well format: 0.5–20 µL

Dispense Accuracy: ±50 nL at 1 µL
 (2 µL for 96-well)

Dispense Precision: ≤ 5% CV (typical)

Residual Volume: < 1 µL average/well

General Specifications

BNX 1536	
Dimensions	15" H x 12.6" W x 24" D
Weight (shipping)	51 pounds
Power Source	100–240 VAC, 50/60 Hz, 2 A
Probes	Stainless Steel 304
Dispense Manifold	PET (polyethylene terephthalate)
Dispense Head	PEEK (polyetheretherketone) and Stainless Steel
Aspirate Head	Aluminum
Reservoir Bottles	Polypropylene
Fluid Contact Tubing	Silicone
PC Requirements	<ul style="list-style-type: none"> • Win98/Me/NT/2000/XP or higher • 154 MB HD free space • 96 MB RAM (256 MB for servers) • Interface connections: RS-232

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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