

Hummingbird™ Technology

Fast. Capillary Based. Plate Replicator and Reformatting System.



The proprietary Hummingbird technology involves sipping of sample from a source plate using narrow-bore glass capillaries followed by dispensing with a pulse of air. **Dispense volumes range from 25 nL to 1000 nL** per transfer. The interchangeable cassette holds 96 or 384 replaceable capillaries in a format to fit a SBS microtiter plate. **Hummingbird** can be controlled via PC and **easy to use software**, or integrated with a larger system through an ActiveX interface.

Hummingbird systems provide fast, highly parallel non contact dispensing and transfer of compounds for assay assembly. **Hummingbird** transfers compounds from master plates to daughter plates for screening. **Hummingbird** can also be used for reformatting compound libraries from low density (96/384), to high density (384/1536) microtiter plates.

Key Benefits

- Non Contact
- No Sample Wastage
- Fast
- Easy to Use Software

HTS Design Specifications

Dimensions 22" W x 15" D x 19" H (0.56m x 0.39m x 0.49m)

Power Requirement 110/220 VAC; 50/60 Hz

Dispensing Specifications

Dispense Modes (source to destination) Plate Duplication; Plate Replication; Plate Reformatting

Dispense Accuracy < 10% CV for all cassette volumes

Air Pressure < 20 psi

PC Control Easy to use PC controlled software

Speed < 30 seconds to transfer Source Material to Destination Plate

Hummingbird Instruments

Benchtop

6HUBRDXL-96
6HUBRDXL-384



Hummingbird Benchtop System

- 2 Active Plate Positions
- Integrated Wash/Vacuum Station
- Vacuum Pump
- Air Compressor
- PC or Integrated Software Control

Automated

6HUBRDTXL-96
6HUBRDTXL-384



*Hummingbird Benchtop System
Integrated with a Twister II Plate Handler*

- 2 Active Plate Positions
- Integrated Wash/Vacuum Station
- Vacuum Pump
- Air Compressor
- Twister II with 6 Plate Hotels
- PC or Integrated Software Control

Instrument Options

Dispensing Cassettes:

- 96 Capillary Format (25, 50, 100, 250, 500, and 1000)
- 384 Capillary Format (25, 50, 100, 250, 500, and 1000)



Worldwide Headquarters: 4355 Varsity Drive
Ann Arbor, Michigan 48108 USA
Ph: +1.734.975.4800 • Fx: +1.734.975.4808
Toll Free: 1.877.GENOMIC (436.6642)

Europe: Genomic Solutions Ltd. • 8 Blackstone Road
Huntingdon • Cambridgeshire
PE29 6EF • United Kingdom
Ph: +44 (0) 1480 426 700 • Fx: +44 (0) 1480 426 767

The Genomic Solutions Family

