

BEELINE 220s



For total flexibility in IFA & ELISA



- Capacity for 16 slides & 96 samples*
- Minimal footprint
- Easy to set up
- Multiple test capability
- Comprehensive data logging
- Graphical
- Cost-effective
- Interface to image capture devices
- Robust and reliable

* Up to 160 Samples in some layouts

BEELINE 220s

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The Beeline 220s is a compact and highly flexible instrument providing cost-effective automation for both IFA and ELISA* assays. The Beeline 220s performs all of the following assay processes:

- Sample pipetting
- Slide and microplate washing
- Reagent addition
- Timed incubations

COMPACT FOOTPRINT

Although small, the BEELINE 220s boasts an impressive capacity, helping you to maximise the use of your limited bench space. With a width of only 475 mm, it still has the capacity to process batches of up to 96 samples and 16 IFA slides. In more specialised configurations it can accommodate up to 160 sample tubes.

FLEXIBLE DECK LAYOUT

The Beeline 220s comes supplied with a set of precision-engineered, stainless steel racks configured to match the consumables used in your lab yet the instrument can be readily adapted should these ever change in the future.

CCx APPLICATIONS SOFTWARE

CCx (IFA) is a completely new applications suite for the Beeline 220s and makes setting up and performing IFA tests easier than ever. CCx gives improved ease of use and greater flexibility and incorporates HTZ's vast experience and knowledge gained in automating IFA for over 10 years.

GRAPHICAL WORKLIST ENTRY

A graphical display shows the user the slides and wells required as the test requests are entered (or imported) into a worklist, making it easy to make optimal use of slides. Other features include:

- Multiple test profiles easy to set up
- Automatic allocation of reagents and controls
- Flexible Worklist Import and Export facility
- Full graphical display
- Up to 8 tests can be defined within a Profile

Controls can be presented to the Beeline 220s either ready diluted or undiluted. A variety of processing options allows you to dispense them at fixed positions on every slide or just the first one in a batch. Furthermore once a worklist has been created it is easy to insert additional controls where you want them.

REALTIME PROCESSING INFORMATION

Enhanced graphics now make running a batch on the Beeline even easier than before. An accurate, on-screen representation of the deck shows the operator what consumables to load and where to place them.

* Suitable for small ELISA batches only. Maximum size of batch depends on assay protocol.

During processing, the display shows the progress of the batch during all stages of the test and any errors are both displayed and recorded in log files for subsequent reporting.

TEST DEFINITIONS

Setting up new Tests and combining Tests into "Test Profiles" can now be performed very easily and with a minimum of data entry. Some of the new features available during Test Definition include:

- Dilution volumes are calculated automatically from specified dilution ratio
- "Intelligent" dilution algorithm calculates the most efficient way of performing selected dilutions
- Full help description available for all parameters - some illustrated with animations
- "Stage Sequencer" allows flexible ordering of Test steps

SETUP AND CALIBRATION

Racks, tubes, bottles and slides are now mostly pre-defined and supplied in a database. This enables a rapid instrument setup and makes it easy to add tests in the future with minimal calibration.

SOFTWARE INTEGRATION

A flexible Import facility makes it easy to import worklists by connecting the Beeline to the laboratory network. Standard file formats supported include XML and ASCII.

A flexible Export facility enables pipetting data to be exported for linking in with result entry software associated with microscopes or with ELISA plate readers.

The device is Image Navigator ready

RELIABLE AND COST-EFFECTIVE

Over 600 Beeline IFA platforms have been placed worldwide and it has a proven track record of being both reliable and robust in the busiest of laboratories.

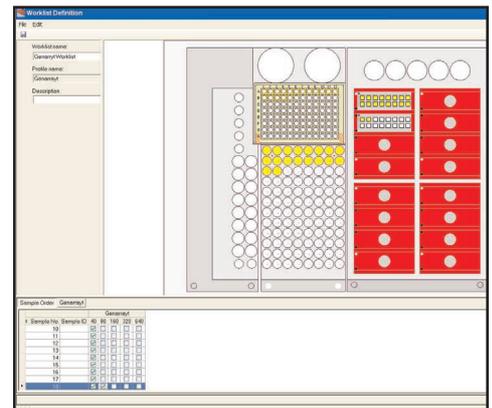
A number of recent enhancements have ensured that the Beeline 220s remains the most cost-effective and flexible robotic platform for IFA automation currently available.

BEELINE 320 FOR AUTO POSITIVE ID

The Beeline 320 incorporates automated barcode reading of samples, slides and reagents. Both linear and 2D options are available



One of the many deck layouts available for the Beeline 220s



Display of the deck during worklist entry showing slides and tubes needed



BEELINE 320 with automated barcode reading of samples, slides & reagents



Cover option

For further information please contact:

Software requirements

Operating System: Windows 7 (32 Bit)

Minimum Computer requirements

Processor 1Ghz, 2GB RAM, Sound Card, CD ROM

External Dimensions

475mm(W) x 550mm(D) x 335mm(H)

Probe Working Area

X= 330mm Y=270mm