

# BEELINE 220s



*For total flexibility in IFA & ELISA*



- Capacity for 16 slides & 96 samples\*
- Highly compact footprint
- Easy to set up
- Multiple assay capability
- Comprehensive data logging
- Graphical processing display
- Cost-effective
- Robust and reliable

\* Size = 7.0 ml Vacutainers® (Becton Dickinson)

# BEELINE 220s

## BEELINE 220s

The Beeline 220s is a compact and highly flexible instrument providing cost-effective automation for both IFA and ELISA<sup>1</sup> assays. The Beeline 220s performs all of the following assay processes:

- sample pipetting
- slide and microplate washing
- reagent addition
- timed incubation

## COMPACT FOOTPRINT

Although small, the BEELINE 220s boasts an impressive capacity, helping you to maximise the use of your limited bench space. Taking up a mere 475 mm, it still has the capacity to process (unattended) batches of up to 96 samples and 16 IFA slides.

## EASY TO SET UP

The Beeline 220s IFA Application Software has been designed to be easy to program. All assay parameters are entered by means of a simple spreadsheet interface with instant on-line help available for each parameter. The majority of information is entered into a single form enabling you to quickly review all the assay parameters for each test.

Defining new rack layouts is also made easy using the Beeline's "Virtual Joystick", which gives direct control over the arm. New slide configurations can be defined simply by driving the probe to a number of key positions on a slide and pressing the "Fire" button to record the coordinates.

## FLEXIBLE APPLICATIONS

The Beeline 220s software caters for a wide variety of IFA and ELISA techniques. "ProtoWork", the protocol and worklist generator, enables you to define protocols combining up to 4 different IFA assays. Each assay is independently programmable, allowing you to control all liquid handling parameters such as sample dilution, reagent volumes, reagent locations, etc.

Furthermore, the wash protocol is also specific to each assay, thereby allowing wash volumes, soak time and number of cycles to be optimised for each type of slide. It is therefore possible to combine slides with totally different wash requirements within the same

batch, e.g. a slide with a well requiring 3 washes of 25µl can be processed together with a slide requiring 5 washes of 75µl.

## INFORMATIVE WORKLISTS

Having defined a protocol, routine operation simply requires you to define a worklist in which the test requests for each sample are entered. During this process, ProtoWork provides you with key information, such as the number of wells and number of slides of each slide type used, to help you optimise usage of your slides.

Controls can be presented to the Beeline 220s either ready diluted or undiluted. A variety of processing options allows you to pipette them at fixed positions or variable positions on the slides.

## EASY TO USE

To run the Beeline 220s you simply need to select which worklist to process. When processing a profile of multiple tests, you will be prompted where to start loading each type of slide as well as the number of each type of slide to load.

Once processing is underway, the graphical interface provides the operator with continuous information on the progress of the batch. A colour display shows which tubes have been processed and also indicates whether any errors, such as insufficient sample, have been encountered.

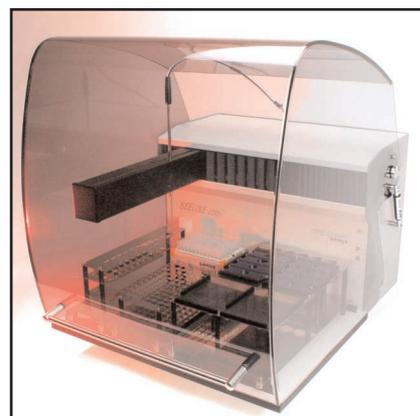
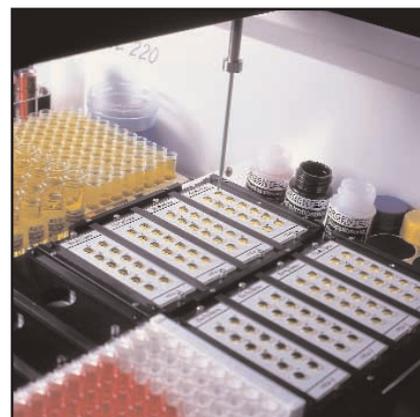
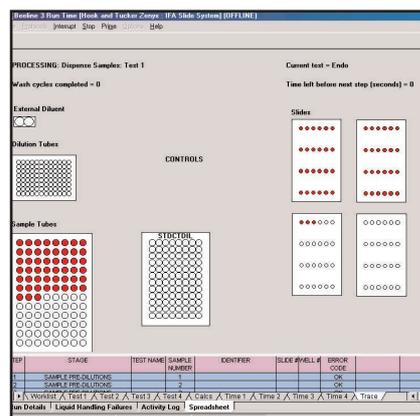
## ADVANCED FEATURES

The Beeline 220s incorporates a number of advanced features to ensure the best possible performance is maintained in routine use:

- dual nozzle, PTFE coated probe for minimal carryover
- automatic liquid tracking to minimise needle submersion
- processing database to record all steps

## RELIABLE AND ADAPTABLE

The Beeline 220s is based on reliable and well-proven technology incorporated into over a thousand analysers worldwide. The robust design combined with its highly flexible software ensures that it will remain an essential and dependable workhorse in your laboratory for many years to come.



For further information please contact:

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

### Software requirements

Operating System: Windows XP  
Microsoft Excel 2000 or later (not supplied)

### Minimum Computer requirements

Processor 300Mhz, 64MB RAM, Sound Card, CD ROM

### External Dimensions

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

### Probe Working Area

X= 330mm Y=270mm