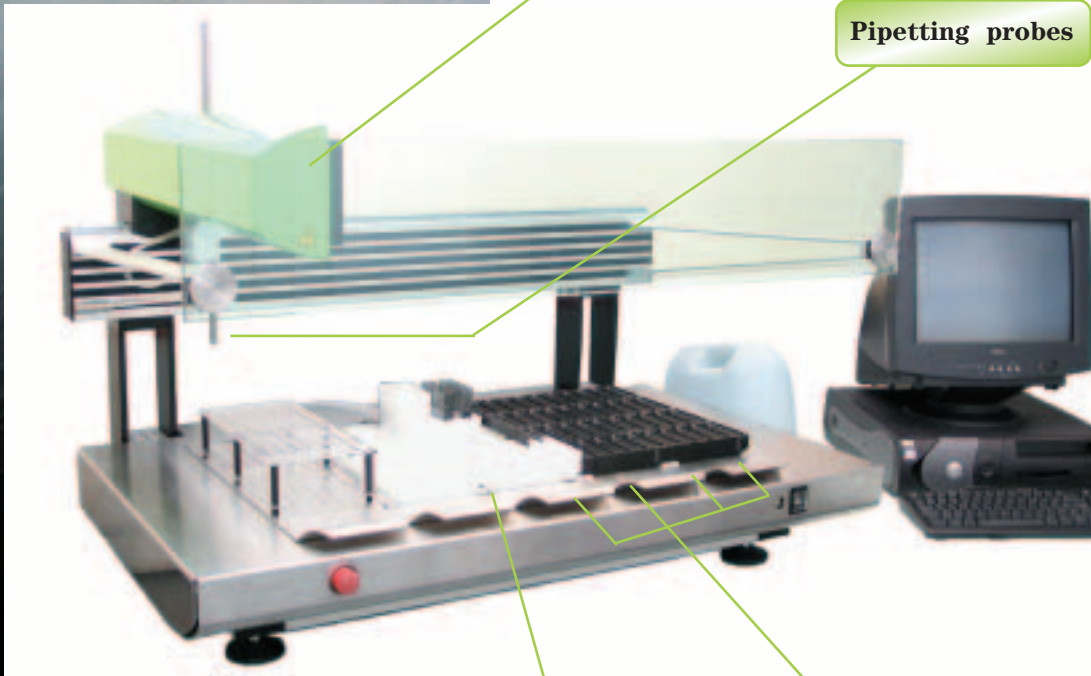


## One Universal System One Focus : Autoimmunity

*A unique front end automation solution for autoimmune assays*

>> CARIS™ is a flexible multipipette processor for the preanalytical preparation of IFA, ELISA\* and FIDIS™ multiplex immuno assays\*.



### Robotic arm :

- 2 or 4 individual probes
- 2 or 4 ceramics micro-gear pumps

### Pipetting probes

### Predilution plates :

- Up to 6 plates
- Specific dilution for each sample and each test

### Sample rack :

- For 96 tubes (12-13 mm)  
Optional : tubes (16-17 mm)
- Sample ID : Manual or automatic barcode reader

### Wash station :

- Internal and external probe wash
- All probes washed at the same time
- Two high volume containers for wash buffer or reagents

### Reagent rack :

- 19 positions for controls and reagents
- 9 high volume containers

### Slide rack :

- 8 slide racks
- 5 slides per rack
- Open to all types of slides

### Deck trays

### Deck

>> CARIS™ is the latest addition to the Autoimmune Diseases product line from BMD

\* Under development

### >> Dimensions

- Width : 1 m
- Depth : 0,82 m
- Height : 0,95 m
- Weight : 65 kg

### >> Power supply requirements

- Power : 350 watts
- Frequency : 50/60 Hertz
- Voltage : 70 to 240 volts

### >> Generalities

- Slides : all type of slides
- Up to 40 slides simultaneously
- Up to 10 test types simultaneously
- Liquid Level Detection\* : capacitance
- Precision :  
10 µL = 2 % , > 20 µL = 1 %

*\*Totally independent for each probe.*

### >> Sample pipetting

- Up to 96 samples
- Method of dispensing : from 1 to 4 probes
- Sample pipetting volume : 1 to 1000 µL

### >> Reagent pipetting

- Dispensing modes : normal or multipipetting mode
- Reagent pipetting volume : 1 to 1000 µL

### >> Slide pipetting

- Up to 40 slides
- Method of dispensing : 1 to 4 probes
- Incubation
- Washing

Carrier for Assay Reagents and Immunoassay Samples

# CARIS™ by BMD

## One Universal System

### >> The CARIS™ process

- >> Sample dilutions
- >> Sample dispensing



- >> Slide incubation
- >> Slide washing
- >> Reagents dispensing
- >> Validation report printed by CARIS™ software

### >> CARIS™ software interface

- User-friendly Worklist Editor
- Free selection of titration ratios for each sample
- Follow up in real time for each step
- Graphical view of the processor deck in real mode with different colours for different slides



### FLEXIBLE

- Up to 10 different tests and 4 controls per test in the same run
- Optimization of the run process
- Automatic assignment of slide position
- Information on remaining wells or pending request
- Automatic or manual bar code reader

### SAFE

- IVD Compliant\*
- Import and edit worklist from LIS\*
- Traceability of major events and user interaction
- Set-up minimum/maximum incubation time and flagging
- Dynamic workplate display with colored codes

### THE CARIS™ FAMILY

- CARIS™ 2 Probes Manual Barcode Reader
- CARIS™ 2 Probes Automatic Barcode Reader
- CARIS™ 4 Probes Manual Barcode Reader
- CARIS™ 4 Probes Automatic Barcode Reader

### USER FRIENDLY

- Easy test programming and selection
- Automatic workflow calculation
- Extended pre-dilution steps
- Optimization of the MTP usage\*
- Extremely quiet new generation robot

### DEVELOPING

- BMD proprietary software ATX\* for :
  - IFA slides
  - FIDIS™ Universal Protocol™
  - ELISA Tests\*
- Link with FIDIS, multiplex immunoassay system for autoimmune panel testing\*

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