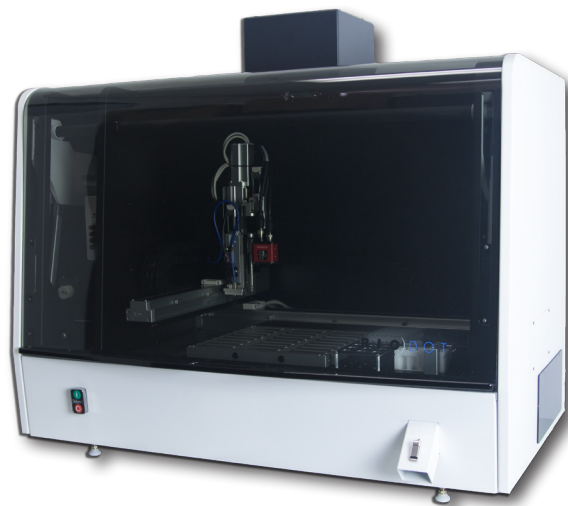


CellWriter™ S

FEATURES AND BENEFITS

- Automated Cell Dropping
- Automated Probe/DAPI Dispensing
- Automated Coverslipping
- Improve Metaphase Spread Quality
- Perform Up To 8 Assays On One Slide
- Reduce Probe/Assay Cost
- Remove The Need For Rubber Cement
- 24 Slide Processing Capability
- Real-Time Probe Inventory Management



RESULTS

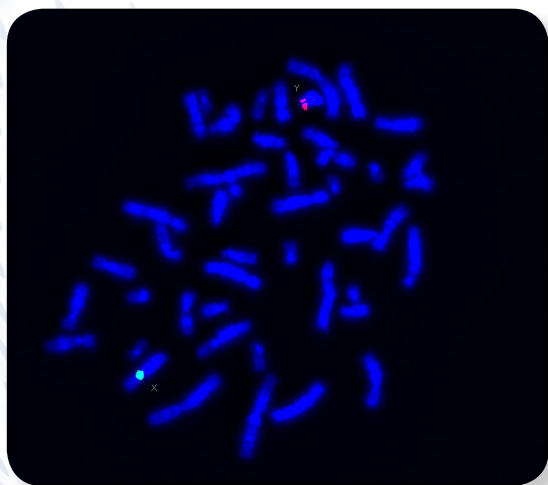


Image 1: Metaphase cell labeled with X Centromere (green) and Y Centromere (red) probes. Cells counterstained with DAPI plus Vectashield. Image taken with the Zeiss Axio Imager. M1 using the 100x Oil objective.

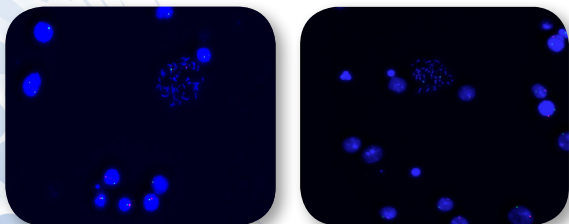


Image 2 & 3 : Male metaphase and interphase cells labeled with X Centromere (green) and Y Centromere (red) probes. Cells counterstained with DAPI plus Vectashield. Image taken with the Zeiss Axio Imager. M1 using the 20x objective.

The dropping process has remained a highly manual technique for years, leaving an automation void between harvesters and microscopes. CellWriter now completes the continuum, by automating the dropping process to deliver quality spread interphase and metaphase nuclei for analysis.

The CellWriter S is a robotic workstation that produces slides for both Karyotyping and FISH. By integrating BioDot's nanoliter dispenser (BioJet™) with exquisite temperature and humidity control, we have developed a highly efficient system that produces quality slides.

BioDot further simplifies the workflow by introducing a new, patented slide technology. FISHArray Slides™ enable multiplexed FISH assays and eliminate the need for rubber cement when preparing for hybridization (a step that is both messy and time consuming).

The CellWriter S processes 24 slides per batch.

PERFORMANCE

Dispense Volume Dynamic Range

- 100nl to 10ul

Dispense Volume Precision

- $\pm 5\%$

Humidity Control

- Ambient to 70% RH $\pm 5\%$

Slide Temperature

- 4°C to 65°C +/- 1°C

Fume Filtering

- Specialty-blended Filter Media
[i.e. Acid Gas, Mercury, Aldehyde, Ammonia]

CONFIGURATION

Dispense Channels per System (Sample/Probe)

- 1

Slides per Batch

- Up to 24

Samples per Batch

- Up to 12

Probes per Batch

- Up to 48

Barcode Scanning

- Linear (All Standard Formats), 2D (Data Matrix, QR), Stacked (PDF417, GS1 Databar)

FISHArray Technology

Don't simply automate the workflow. Improve it.

BioDot introduces the FISHArray™ technology, enabling labs to perform as many as 8 different FISH assays on a single slide. One sample can be tested across multiple probes. Alternatively, 8 separate samples can be interrogated by the same probe. Simultaneously.

This new approach leads to fewer washes, fewer hybridizations, and fewer slides to analyze.

Patent No. US 7754439 & US 8323882



Headquarters: 2852 Alton Pkwy • Irvine, CA 92606
t: +1 949-440-3685 • f: +1 949-440-3694 • www.biodot.com

SPECIFICATIONS

Dimensions (L x W x H)

- 98cm x 56cm x 87cm
(39in x 22in x 34in)

w/ Normalization Option

- 155cm x 56cm x 87cm
(61in x 22in x 34in)

Power Requirement

- 110/220 VAC; 50/60 Hz

Weight

- 90kg (200lb)

OPTIONS

- LIMS Integration
- FISHArray Slides
- Integrated Normalization



Distributed in Europe by:
ADS Biotec Limited
40 Watt Road, Hillington Park,
Glasgow, G52 4RY UK
t: +44 (0)141 892 8800
info@adsbiotec.com • www.adsbiotec.com