



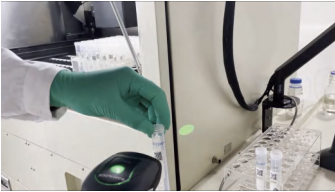
IDEX-P8-64

Automated Chromosome Spreader

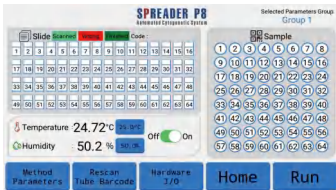


The IDEX-P8-64 Chromosome Spreader is a fully automated instrument system developed specifically for cytogenetic laboratories to spread metaphase chromosomes for karyotype and FISH analyses. With the P8-64's patent pending walk-away automation you can minimize hands-on work, and maximize productivity, reproducibility, and reliability in your cytogenetics workflow. The P8-64 Automated Chromosome Spreader is designed to process up to 64 samples tubes, with 64 slides, in one run in one hour without manual intervention. Automation and precise temperature and humidity control ensure optimal high-quality metaphase spreads.

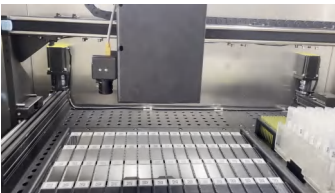
Processing Cycles:



Manually transfer barcoded sample tubes into the rack of the Spreader making sure that the barcode is recorded for each sample tube and location in the rack



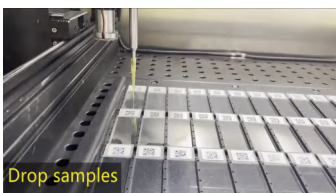
Program the parameters of the run by entering the information about the barcoded sample tubes and slides



Start the program and let the Spreader scan the barcodes on each slide. This ensures that the association of sample tubes and specific slides is established



Let the Spreader moisturize the slide and drop fixative on the slides just before dropping cell suspensions onto the slide surface



Drop the cell suspension onto the slide and let it spread and dry in a precisely temperature and humidity-controlled environment

In a typical run, barcoded sample tubes are scanned and matched with barcoded slides. After the matching step, each slide can be moisturized and pre-dropped with fixative solution before actually dropping the cell suspension and letting it spread and dry on the slide in an enclosed temperature and humidity controlled chamber. Each sample tube can be associated with 1, 2, or more slides. One or two single dropping sites can be assigned on one slide. Cell suspensions derived from peripheral blood, bone marrow or amniotic fluids can be spread automatically to generate preparations with a high mitotic index and a fewer metaphase overlaps.

Specifications:

Sample tracking with barcodes: Barcoded sample tubes are associated with barcoded slides

Throughput: 64 samples tubes
to drop 64 slides per hour
or 128 slides in 90 minutes

Sample tubes with cell suspensions: 15 mL conical centrifuge tubes

Resuspension of cell suspension before sample collection:

Gentle pipetting up and down of cell suspension ensures homogenous samples are picked up consistently

Sample drop volume: 5-50 μ L one drop, or 5-50 μ L two drops

Dropping mode options: Wet or dry

Pre-wetting of slides: Ultrasonic moisturizing humidifies slide surfaces

Pre-dropping of slides: Delivery of a drop of fixative conditions slide surfaces for optimal spreading

Enclosed chamber temperature: 15-25°C

Enclosed chamber Relative Humidity: 20-60%

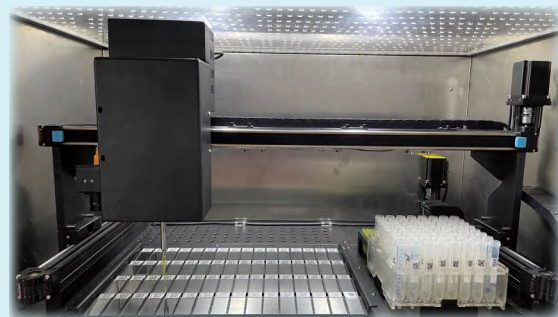
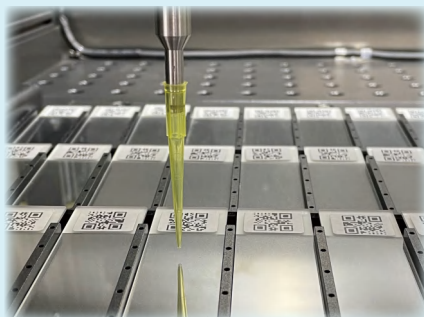
Programable Dropping Protocols: 7-inch touch screen panel used to set up parameters and protocols

Weight: 1000 lbs/453 kg

Dimensions: 48" (width) x 34" (depth) x 69" (height)
1230 mm (width) x 860 mm (depth) x 1760 mm (height)

Voltage requirement: 120 V/60 Hz, 220 V/50 Hz

Power usage: 1500 W or less



Results:

Typical results obtained with the automated IDEX-P8-64 Chromosome Spreader.



Customer 1 (Blood Sample)



Customer 2 (Bone Marrow Sample)

Order information:

Order Number: 02-P8-64

Includes:

- o A 64-sample automated P8-64 Chromosome Spreader system equipped with a rack for 1-64 sample tubes, two trays for 1-64 slides each, and a robotic humidifying, liquid-handling and dropping station
- o Operator's Manual, On-site Installation and Training, One-Year Warranty and Documentation, and After-Sale Support

Contact Information:

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