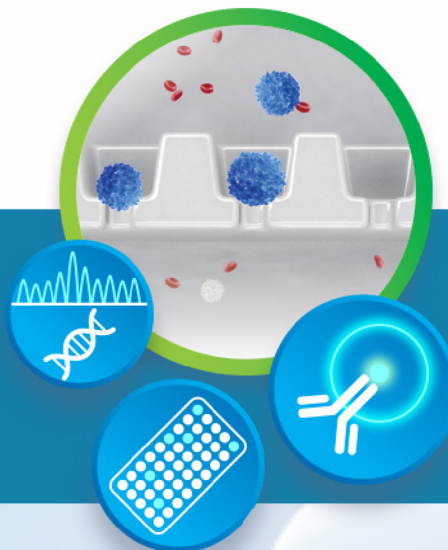


Genesis Cell Isolation and Droplet Digital PCR



Thursday June 22, 2023

University of Rochester
Room 2-7536/2-7544



The Genesis Cell Isolation System together with the Droplet Digital PCR System offer a comprehensive workflow for efficient size selection of CTCs and advanced multiplexing to quantify nucleic acids.

11:00-11:30 AM

Genesis Circulating Tumor Cell Technology

SPEAKER

Aqila Ahmed, PhD

Single-Cell Field Application Specialist
Bio-Rad Laboratories, Inc.

The Genesis Cell Isolation System with Celselect Slide Technology allows selection and capture of individual cells 8–30 μm in size, such as circulating tumor, rare, and cultured cells from liquid biopsy, culture media, and other liquid sample types.

- Automate on-slide cell capture, recovery and labeling
- Eliminate 99.9% of RBCs, WBCs, and other components for blood samples
- Label and enumerate with included Rare Cell Analysis Software

11:45–12:15 PM

Droplet Digital PCR (ddPCR) Applications

SPEAKER

Danielle Rzczycki, PhD

Genomics Field Application Scientist
Bio-Rad Laboratories, Inc.

Droplet Digital PCR provides absolute quantification of target DNA or RNA without the need for a standard curve, providing orders of magnitude greater precision and sensitivity than real-time PCR. By partitioning reactions into droplets using the QX200, researchers can:

- Precisely quantitate nucleic acids
- Accurately quantify rare alleles in an excess of wild type background DNA
- Differentiate germline copy number variations
- Analyze miRNA expression



HOSTED BY:

Tim Bushnell

Director, Center for Advanced Research Technologies

LEARN MORE:

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