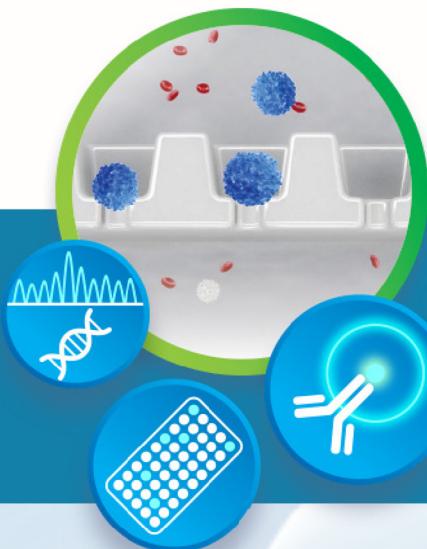


Bio-Rad Laboratories
SEMINAR

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 μ m 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 Rzeczycki, 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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