BIO-RAD CONSUMABLES

Droplet Digital™ PCR (ddPCR™) is a cutting-edge technology for ultrasensitive nucleic acid detection and absolute quantification. Ideal for low abundance targets like allelic and structural variants, it delivers results beyond the limits of traditional PCR.

Bio-Rad's ddPCR consumables are purpose-built to support this technology - offering exceptional sensitivity, precision, and robust PCR performance for all your instrument needs.

ddPCR Supermix

Ready-to-use reaction mix optimised to deliver maximum PCR efficiency, sensitivity and specificity.

ddPCR supermix variations:

- ddPCR Supermix for Probes
- ddPCR Supermix for Probes (No dUTP)
- ddPCR EvaGreen Supermix
- One-Step RT-ddPCR kit for Probes

Features and Benefits:

- Amplify and detect multiple targets using commercially available assays
- Increase input capacity for larger sample volumes
- Limit nonspecific PCR amplification
- Achieve precise and sensitive absolute quantification for applications such as copy number analysis and mutation detection

ddPCR Cartridges and Gaskets for QX200/QX600 Manual and AutoDG Systems

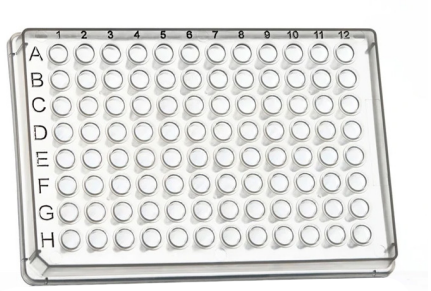
- Droplet generation takes approximately 2 minutes for eight samples, 30 minutes for a 96-well plate.
- Droplet Generator 8 (DG8) Cartridges and Gaskets, designed for the manual Droplet Generator system
- Droplet Generator 32 (DG32) Cartridges and Gaskets, designed for the AutoDG system
- DG32 Cartridges come ready to use with gaskets and are used to mix sample and oil to generate nanolitre-sized PCR reaction droplets in the 96-well plate format

+27 21 531 7504 sales@lasec.com www.lasec.com

Lasec®

E&OE

ddPCR 96-Well PCR Plates



- Designed and validated for the Bio-Rad's Droplet Digital PCR workflow, optimised for maximum ddPCR performance and thermal transfer.
- The robust polycarbonate frame resists torque and warping during thermal cycling and digital droplet reading.

Droplet Digital PCR Oils

Compatible with digital PCR supermixes and kits, the oils are used to create-in-oil droplets required for ddPCR.

The ddPCR droplet oils come in two formulations:

- Droplet generation Oil for Probes
- Droplet Generation Oil for EvaGreen

Both are formulated for Manual and AutoDG systems providing high quality droplets for your reader system.

Droplet Reader Oil:

Formulated for seamless, efficient droplet reading in the QX200 and QX600 systems.

ddPCR Droplet Reader Oil EcoTank for Probes:

Designed for a more cost-effective and environmentally friendly workflow, the EcoTank is the ideal alternative to individual oil and waste bottles in your ddPCR system. It enables oil recirculation without any hardware modifications, while maintaining high quality and performance in the QX200 and QX600 systems.

Features and Benefits:

- Run up to 50 plates on the QX200 and 40 plates on the QX600 with a single EcoTank
- Reduce waste and per-reaction running costs
- Achieve the same high-quality data you've come to expect from your ddPCR system

+27 21 531 7504 sales@lasec.com www.lasec.com

Lasec®

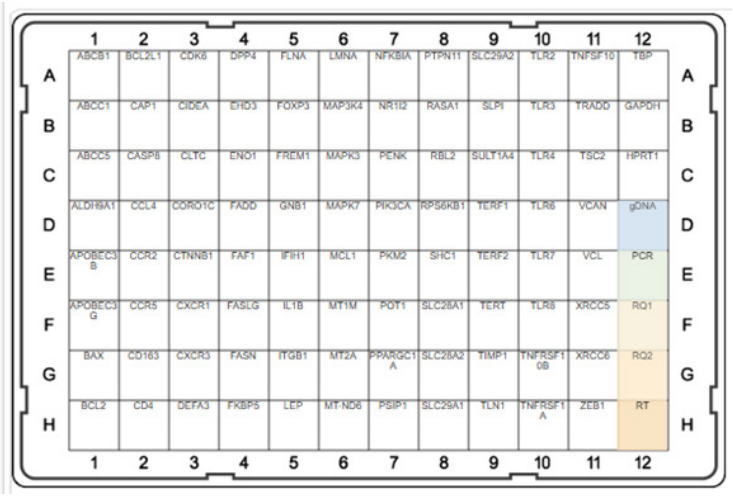
E&OE

PrimePCR

Enhance your Real-Time PCR and ddPCR experiments with predesigned or custom assay-specific primers, assays, and arrays in dye or probe-based formats.

PrimePCR, developed by Bio-Rad Laboratories, offers a line of high-quality, pre-validated qPCR (quantitative Polymerase Chain Reaction) assays and reagents. These products are meticulously designed to enhance gene expression analysis, genotyping, and a variety of other PCR-based applications.

- Available in 96- or 384-well plates
- Designed for applications including disease profiling, metabolism, protein expression, reference genes, lncRNA, and more
- Ideal for targeted gene expression analysis
- Wide range of qPCR-compatible formats



Access an extensive range of predesigned or customisable ddPCR assays tailored to your research needs:

- Gene Expression
- Mutation Detection
- Copy Number Determination
- Genome Edit Detection Assay

Get the most out of your experiment with assays designed specifically for Droplet Digital PCR. Choose your application, enter your target and let our tool find the right assay for you.

Learn more about Prime PCR

Learn more about ddPCR

+27 21 531 7504 sales@lasec.com www.lasec.com

Lasec®

E&OE

V01 07.05.2025