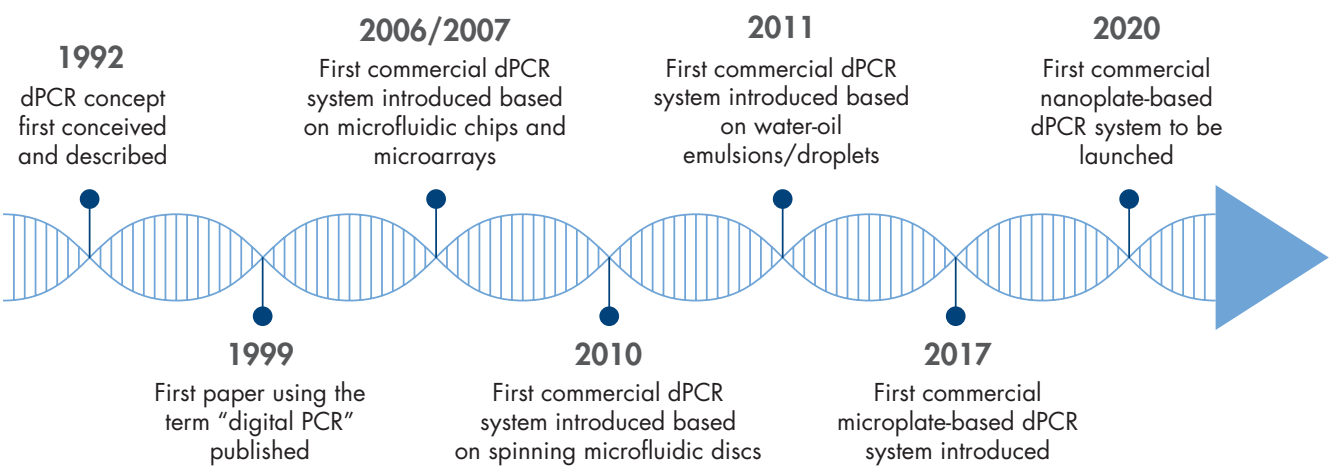
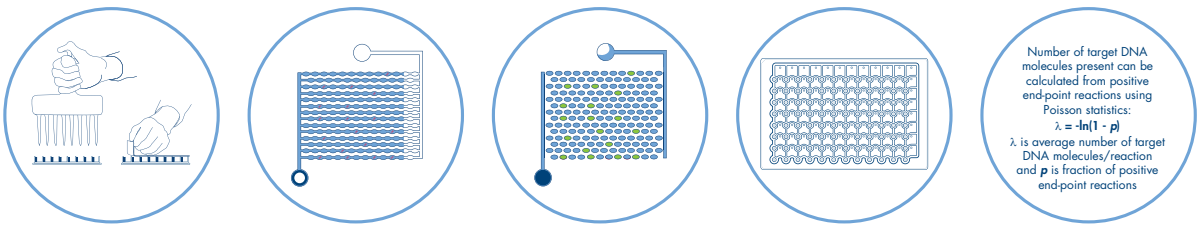
Did you know?

The power of digital PCR

Digital PCR breakthroughs



How it works?



Pipette reaction mixture
Seal plate

Discretize into partitions

Amplify target DNA in the presence of fluorescent dyes or probes

Detect fluorescent signals in partitions

Calculate absolute copies using Poisson distribution

Top 5 benefits

Absolute target quantification
No need for references or standard curves

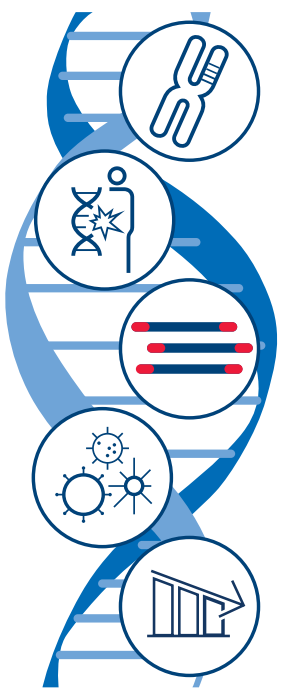
High tolerance to inhibitors
Due to partitioning and endpoint measurement

Superior precision
Detect very small fold change differences

Increased sensitivity
Detect rare mutations and low abundance targets

High reproducibility
Eliminate amplification efficiency bias

Top 5 applications



Copy number variation

Rare mutation detection

NGS library quantification

Viral load detection

Gene expression analysis

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Sample to Insight