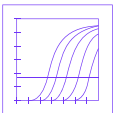
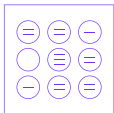
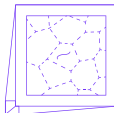
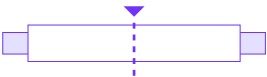
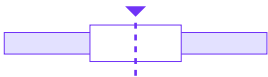


AT A GLANCE:

PCR quantification methods.

	Quantitative PCR (qPCR)	Digital PCR (dPCR)	Single-molecule counting PCR
Quantification method	Real-time detection based on amplification kinetics  Relative to reference or standard curve	End-point detection based on binary signal  "Absolute" signal with Poisson correction for multiple molecules per partition	End-point detection based on binary signal  Direct single-molecule counting
Dynamic range	$10^6 - 10^7$ range  Theoretically broad, contingent on linear amplification	$10^4 - 10^5$ range  Narrow range, better precision	10^6 range  Broad range, highest precision
Precision	Low  50% – 100% CV	Moderate  10% CV	High  1% CV
Sensitivity	Limited  Typically >1% VAF	High, with effort  About 0.03% VAF	Highest  0.004% VAF