Digital Pcr

B Vogelstein, KW Kinzler - Proceedings of the National ..., 1999 - National Acad Sciences

Abstract The identification of predefined mutations expected to be present in a minor fraction of a cell population is important for a variety of basic research and clinical applications. Here, we describe an approach for transforming the exponential, analog nature of the PCR into a linear, digital signal suitable for this purpose. Single molecules are isolated by dilution and individually amplified by PCR; each product is then analyzed separately for the ...

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