



Featuring work from Professor Feng Xu's laboratory, School of Life Science and Technology, Xi'an Jiaotong University, Xi'an, China.

A three-in-one microfluidic droplet digital PCR platform for absolute quantitative analysis of DNA

A novel, user-friendly, and integrated ddPCR platform has been developed for ultrasensitive nucleic acid testing. This platform offers the capability of sample dispersion, in situ amplification, and data analysis, making it a versatile tool for various applications. The platform consists of an easy-to-use chip made of thermally resistant and easily mass-produced polycarbonate material, as well as a matching control instrument. With its high sensitivity, practicability, and cost-effectiveness, this ddPCR platform holds great potential for universal detection in fields such as tumor diagnosis, pathogen detection, and prenatal diagnosis.

As featured in:



See Zedong Li *et al.*,
Lab Chip, 2023, **23**, 2521.