Electronic Supplementary Material (ESI) for Analyst.

Supplementary Information

Phenotyping of single plant cells on a microfluidic cytometry platform with fluorescent, mechanical and electrical modules

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† Electronic supplementary information (ESI) available

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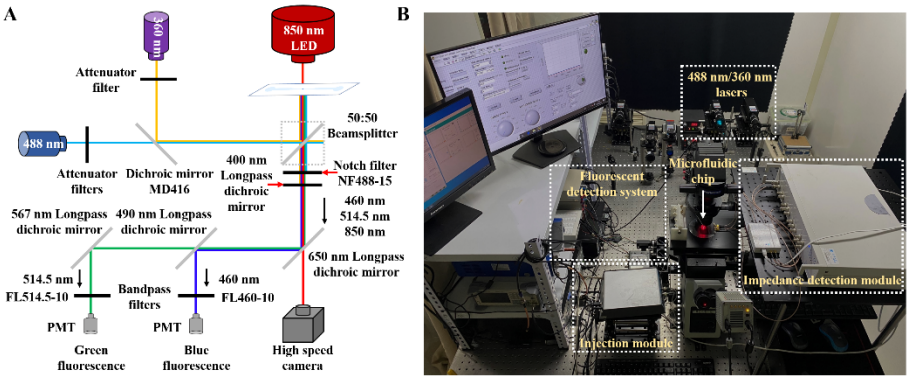

Figure S1 (A) The schematic diagram of the fluorescence detection and (B) the photos of the platform.

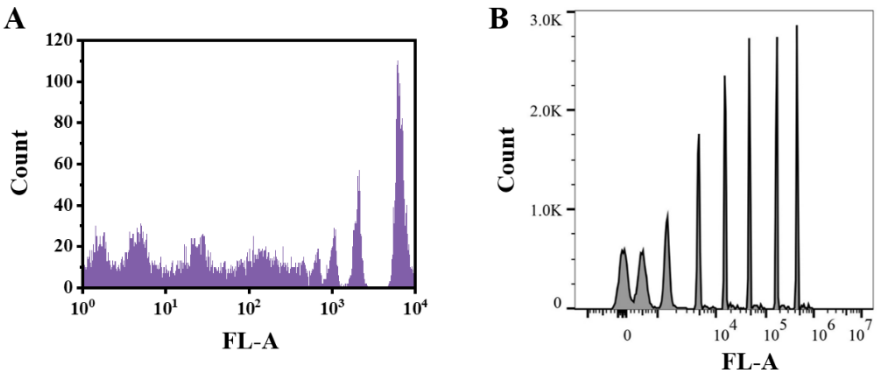

Figure S2 Comparison of (A) the proposed system with (B) commercial flow cytometry for the detection microspheres with eight different fluorescence intensities.

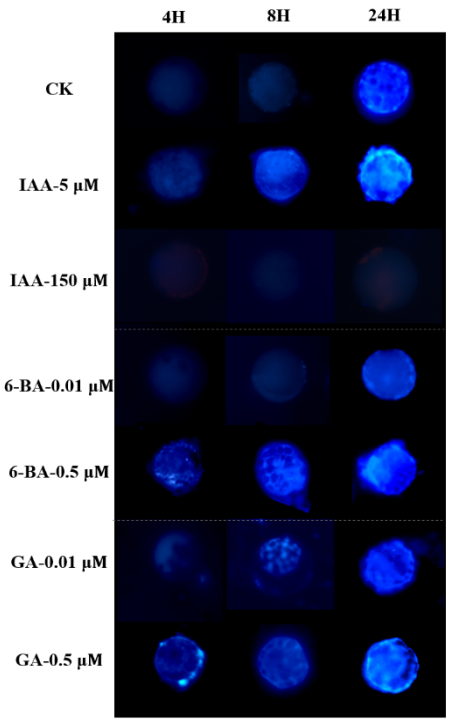

Figure S3 The microscopic fluorescence images of the primary cell wall (PCW) at different time points after treatment with exogenous phytohormones.

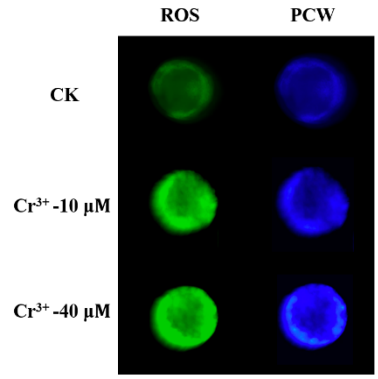

Figure S4 The microscopic fluorescence images of ROS and PCW of protoplasts treated with different concentrations of Cr^{3+} for 12 hours.