

Supporting Information for

Rapid Detection of Trichlorfon Residues by Microfluidic Paper-based Phosphorus-detection Chip (μ PPC)

Siwei Deng ^a, Tingyuan Yang ^a, Wenxian Zhang ^a, Chongbo Ren ^a, Jing Zhang ^a, Ying Zhang ^a, Tianyu Cui ^a, Wanqing Yue ^{*ab}

^a Department of Chemistry, Key Laboratory of Biomedical Functional Materials, School of Sciences, China Pharmaceutical University, Nanjing, People's Republic of China

^b Key Laboratory of Drug Quality Control and Pharmacovigilance (China Pharmaceutical University), Ministry of Education, Nanjing, People's Republic of China

*Authors to whom any correspondence should be addressed.

Dr. W. Yue, E-mail: yuewq@cpu.edu.cn

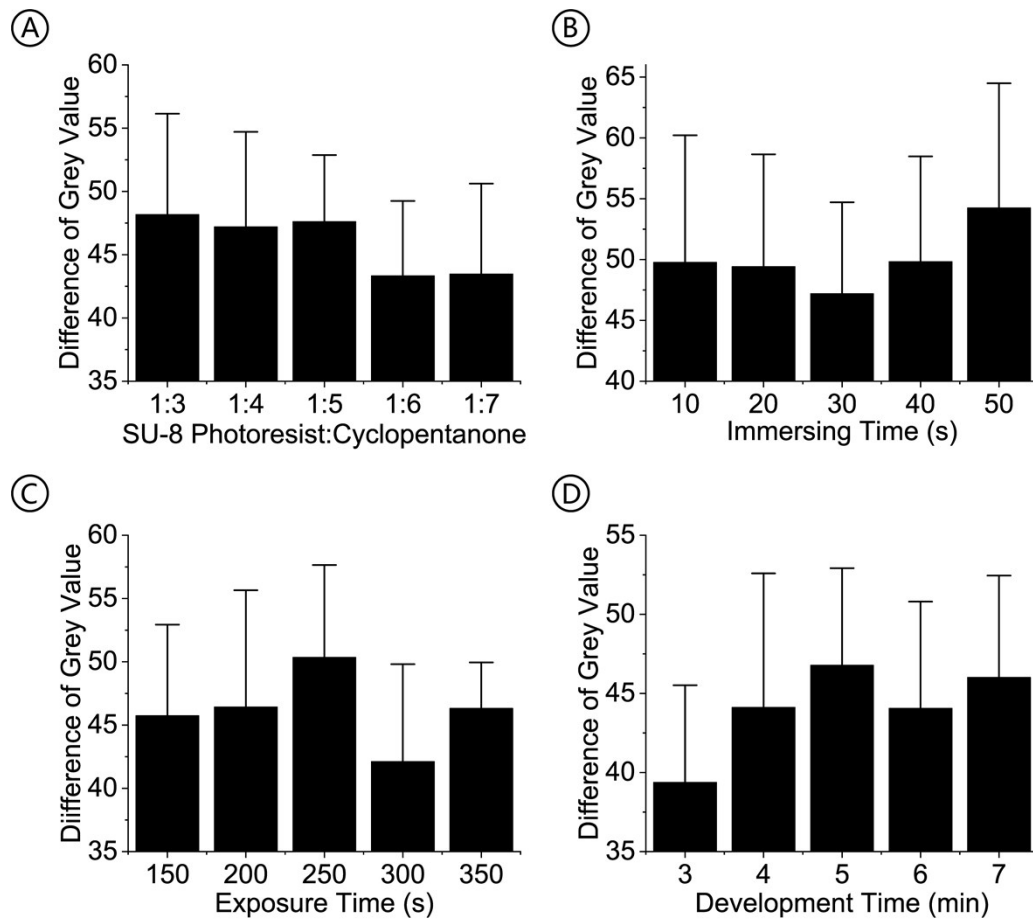


Figure. S1 Optimization of the chip fabrication process. The difference of grey values between with and without photoresist region by varying (A) the ratio between SU-8 photoresist and cyclopentanone, (B) immersing time, (C) exposure time and (D) development time. n=6 for each conditions.