

ABSTRACT

The present invention provides a method and a system for testing an analyte, a medium, and a device. The method includes: imaging step: irradiating a first area by single-wavelength infrared light within a first wavelength range, and imaging the first
5 area, to obtain a first image of an imaging area; and irradiating the first area by ultraviolet light within a second wavelength range, and imaging the first area, to obtain a second image of the imaging area; spectral obtaining step: obtaining, from the first image, grayscale distribution data that indicate the analyte; based on the grayscale distribution data, respectively obtaining, from the first image and the second image,
10 infrared light intensity values and fluorescence spectral data at desired positions that demonstrate the analyte; and analyzing step: obtaining information about the analyte in the imaging area based on the infrared light intensity values and the fluorescence spectral data.

15 [Fig. 1]