

ABSTRACT

The present invention provides a method and a system for testing an analyte, a medium, and a device. The method includes: irradiating a first area by broad-spectrum visible light, infrared light, or visible-near-infrared light, and imaging the first area, to
5 obtain an image of an imaging area; 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; obtaining, from the first image, color or grayscale distribution data that indicate the analyte; based on the color or grayscale distribution data, respectively obtaining, from the first image and the second image, reflection spectral data and
10 fluorescence spectral data at desired positions that indicate the analyte; and obtaining information about the analyte in the imaging area based on the reflection spectral data and fluorescence spectral data.

[Fig. 1]