

ABSTRACT

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

15 [Fig. 1]