

ABSTRACT

The present invention provides a method and a system for collecting a fluorescence spectrum of an analyte, and a medium, and a device, which relate to the field of optical analysis. The method includes: irradiating and imaging a first area by infrared light to
5 obtain a first image; dividing the first area into a testing point candidate area and a reference point candidate area based on grayscale distribution indicates uneven distribution of the analyte; irradiating and imaging the first area by ultraviolet light based on an excited fluorescent radiation signal, to obtain a second image; and based on a grayscale value selecting a testing point from the testing point candidate area, and
10 collecting fluorescence spectral data of the testing point; and selecting a reference point from the reference point candidate area and collecting fluorescence spectral data of the reference point.

[Fig. 1]