

ABSTRACT

The present invention provides an image processing method and system in analyte testing, a medium, and a device. The method includes: ultraviolet-excited fluorescence grayscale image obtaining: irradiating a first area by ultraviolet light within a preset wavelength, to obtain a fluorescence grayscale image of an imaging area; grayscale value obtaining: marking three or more pre-selected collection points into the fluorescence grayscale image, and obtaining corresponding grayscale values D ; and filtering: calculating an average value μ and a variance σ of grayscale values of all collection points, filtering out a collection point of $|D-\mu|>\sigma\times\text{threshold}$, where the threshold is a preset threshold, and using remaining collection points as optional points. According to the present invention, a pigment area in the skin can be effectively distinguished, and the interference of the pigment area on spectral data can be reduced as much as possible.

[Fig. 14]