

ABSTRACT

The present invention provides an image processing method and system in analyte testing, a medium, and a device. The method includes: obtaining an infrared grayscale image of a first area; converting the image into a two-dimensional matrix, performing
5 derivation, and recording a quantity of pixel grayscale values that remain monotonous on both sides of the minimum value point; creating an equal-size matrix of a two-dimensional matrix, and performing non-zero substitution on the minimum value point; and using a matrix as a convolution kernel to convolute the created equal-size matrix, where a probability that a position corresponding to the point is in a target area
10 is greater as a value of an element in the obtained convoluted matrix is greater, sequencing elements and corresponding positions thereof in the convolution matrix in descending order, and selecting the target area.

[Fig. 14]