

ABSTRACT

The present invention relates to the field of optical analysis, and provides a method and a system for testing an analyte based on a testing model, a medium, and a device. The method includes: model input: obtaining an analyte testing model and providing an
5 input amount to the analyte testing model; and model output: collecting an output amount of the analyte testing model, where the input amount includes: spectral data that indicate uneven distribution of a reflection signal or an excitation signal generated by the analyte when irradiated by light; and the output amount includes: a test result of the analyte, and the test result of the analyte includes information of the analyte correlated
10 to the spectral data. In the present invention, the testing model is used to process input spectral data with interference to obtain an accurate output result, thereby improving the output accuracy of the model.

[Fig. 9]