

ABSTRACT

The present invention provides a method and a system for using spectral data of an analyte, a method and a system for testing an analyte, a medium, and a device, which relate to the field of optical analysis. The method includes: analyzing step: inputting
5 obtained spectral data into a local testing model to obtain information about the analyte, and providing a correction option; information uploading step: after the correction option is triggered, obtaining correction information input by a user, and uploading the correction information and the obtained spectral data to a cloud platform; model training
step: using, by the cloud platform, the obtained spectral data as an input and the
10 obtained correction information as an output to train a cloud testing model; and model updating step: updating the local testing model based on a trained cloud testing model.

[Fig. 1]