

ABSTRACT

The present invention provides a system for analyte spectral collection and a system for testing an analyte, and the system for analyte spectral collection, which relate to the field of optical analysis. The system for analyte spectral collection includes a shell
5 and an imaging spectrum detection apparatus. The apparatus obtains a light signal in an imaging area, and includes a sensor and a periodic pixel-level light filtering structure, disposed on a surface of the sensor. The filtering structure performs spectral modulation on an incoming light signal, and the sensor generates an image containing spectral information to be tested. In this application, the periodic pixel-level light filtering
10 structure disposed on the surface of the sensor performs spectral modulation on the incoming light signal, so that the sensor generates an image containing spectral information to be tested, helping analyte spectral collection be performed more simply.

[Fig. 1]