

ABSTRACT

Title of Invention: CAPILLARY ELECTROPHORESIS DEVICE

The present disclosure provides a capillary electrophoresis device including a light source, a first irradiation fiber configured to guide light from the light source, a detector configured to detect light from a capillary, and a first detection fiber configured to guide light to the detector, in order to make a light detection optical system less susceptible to an external environment. A capillary cartridge including a capillary, a second irradiation fiber, and a second detection fiber is attached to the capillary electrophoresis device by connecting the first irradiation fiber and the second irradiation fiber and connecting the first detection fiber and the second detection fiber. In the capillary cartridge, the second irradiation fiber and the second detection fiber are fixed such that their optical axes intersect each other in the lumen of the capillary

(FIG. 4).