

FULLY-AUTOMATIC CHEMILUMINESCENCE IMMUNOASSAY ANALYZER

5 Disclosed is a fully-automatic chemiluminescence immunoassay analyzer, which includes a base, where a reaction cup conveyance module, a robot-arm sample injection module, an incubation module, a manipulator and transit module, a magnetic-separation cleaning module, and a detection module are mutually independently integrated on the base. The reaction cup conveyance module is used for conveying a reaction cup to a pre-determined position; the
10 manipulator and transit module carries the reaction cup into the incubation module, to incubate the reaction cup for a constant-temperature reaction; the reaction cup in the incubation module is carried to the magnetic-separation cleaning module for magnetic-adsorption cleaning; and the cleaned reaction cup is carried by the manipulator and transit module to the detection module for detection. A plurality of manipulators and a plurality of
15 transit devices may be disposed as required, to link the mutually independent functional parts of the modules. Further, the instrument may be equipped with detection modules and process modules of various detection platforms, which cooperate with the manipulator and transit module to realize diverse detection in a table-top production line manner.

20 (FIG. 1)