

ABSTRACT

SYSTEM FOR PREPARING SAMPLE SOLUTION FOR TESTING, AND METHOD FOR PREPARING SAMPLE SOLUTION FOR TESTING

A system for preparing a sample solution for testing includes a microorganism separation device, and prepares a sample solution for testing from an undiluted sample solution. The microorganism separation device includes a hydrodynamic separation device and a liquid feeding unit configured to supply the undiluted sample solution to the hydrodynamic separation device. The hydrodynamic separation device includes a curved flow channel having a rectangular cross-section, and is configured to separate a liquid into a first segment and a second segment through use of a vortex flow generated in the liquid flowing through the curved flow channel. Particles contained in the undiluted sample solution are concentrated in the first segment.

FIG. 1