

METHOD FOR SIMULTANEOUS QUANTIFICATION OF MONOCLONAL ANTIBODIES

Abstract of the Disclosure

The present invention provides a technique that can simultaneously analyze a plurality of antibody drugs and can be validated. The present invention provides a method of bringing a porous body in which monoclonal antibodies to be measured are immobilized in pores into contact in a liquid with nanoparticles on which proteases are immobilized and performing selective proteolysis of monoclonal antibodies to detect peptide fragments each comprising unique amino acid sequence derived from the Fab region of the monoclonal antibodies via liquid chromatography-mass spectrometry (LC-MS), wherein peptide fragments of two or more types of monoclonal antibodies in the same biological sample are simultaneously quantified.

[Fig. 2]