

Abstract

This invention relates to: a laminate comprising a support, a multilayer film assembled via a hydrogen bond thereon, and a thin film thereon; a self-supported thin film obtained from such laminate; a method for producing such laminate comprising allowing a support to come into contact alternately with two or more types of solutions comprising substances to be laminated to form a multilayer film and forming a thin film via a method selected from among vapor deposition, spin coating, and layer-by-layer adsorption; a method for producing a self-supported thin film comprising immersing the laminate in a pH-adjusted aqueous solution to dissolve the multilayer film and to separate the thin film from the support; a thin film for cell culture and a capsule for a controlled-release drug obtained from the laminate; and a sensor, a separation film, a device for catalytic reactions, and a sample slice for transmission assay obtained from such thin film.