

ABSTRACT

The present invention provides a microneedle device comprising: a substrate; a microneedle disposed on the substrate; and a coating layer formed on the microneedle; in which the coating layer comprises a recombinant follicle-stimulating hormone, arginine, and glycerin, in the coating layer, the mass of arginine is 0.07 to 0.75-fold of the mass of the recombinant follicle-stimulating hormone and the mass of glycerin is 0.1 to 2.75-fold of the mass of the recombinant follicle-stimulating hormone.

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