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Study of characteristics of electrostatic interaction between RNases and mica surface using atomic force microscopy

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Abstract

The physical adsorption of pancreatic RNase A and *Bacillus intermedius* RNase on a negatively charged mica surface was investigated using atomic force microscopy. An analysis of the kinetics of RNase adsorption showed that *Bacillus intermedius* RNase was adsorbed 3-5 times more effectively than RNase A. At the same time, the adsorption of *Bacillus intermedius* RNase on mica was accompanied by the aggregation of enzyme molecules. © 2011 Pleiades Publishing, Ltd.

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