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Properties of deoxyribonuclease of rat liver nuclei and changes in its activity during induced synthesis of nucleic acids

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Abstract

DNAase from the proteins of chromatin obtained from rat livers preferentially hydrolyzes denatured DNA on the 3' phosphodiester bonds, forming oligonucleotides consisting of 6 to 8 monomers. The DNAase is not specific with respect to the bases. During the induced synthesis of DNA and RNA in rat liver cells a decrease was noted in the DNAase activity of the chromatin proteins.