

Acrylamide – agarose system of vertical – horizontal bidimensional electrophoresis and histonic conformational changes involved in gene expression control

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SUMMARY

The authors studies the histone – polyamine interaction by using the bidimensional electrophoresis in order to account for the increased polyamine concentration in rapidly – splitting cells in the presence of polyamine was different from both the control sample and the sample which employed inorganic cations; these differences may be caused by certain changes in histone conformation. Histone-polyamine interactions by conformational rearrangements suggest a pattern for the chromatinian, ribosomal and cytoskeletonal polycation condensation relaxing by which obligations exert their stimulating action.

Keywords: electrophoresis, acrylamide agarose, gene expression