## REACTION OF NCTC CLONE 929 CELLS ON ADDITION OF IONS OF MOLYBDENUM OR COPPER IN A CULTURE MEDIUM

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The response of cultured cells of line NCTC a clone 929 on a modification of culture medium after supplement of molybdenum or copper ions as  $(NH_4)_6Mo_7O_{24} \cdot 4H_2O \bowtie CuSO_4 \cdot 5H_2O$  salts (0.1, 1.0, 10 mg/ml) was studied in the present work. The cell area was as parameter of a monitoring of living cell. Cells were analyzed 1 day after seeding. Neither copper ions, nor ions of molybdenum did not change the cell area at any investigated concentration if cells cultivated in "old" bottles from which they have been just removed. Cultivated cells in the "new" (not used) bottles on parameter "cell area" were divided in two groups (smaller and larger cells). We named these groups functional subpopulations. Copper ions reduce quantity of small cells in 4 times in comparison with the control but they do not influence upon number of large cells. Molybdenum ions, on the contrary, increase number of small cells by 20%, (concerning large cells it is possible to note small decrease in their number but as the tendency).

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