ELECTROPHORETIC MOBILITY OF THAWED WASHED ERYTHROCYTES CRYOPRESERVED AT -20 °C

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Summary. Method of cryopreservation of erythrocytes at –20 °C was developed at State Institution «Institute of Blood Pathology and Transfusion Medicine of Academy of Medical Sciences of Ukraine». Study of electrophoretic mobility of thawed, washed, and resuspended in plasma substitute solution erythrocytes was done. Findings demonstrate that cell charge determining the state of membrane of thawed erythrocytes is stable and does not diminish in accordance with the time of their storage at +4 °C. This is an evidence of high viability and functional activity of thawed washed erythrocytes, cryopreserved at –20 °C.

Key words: *thawed washed erythrocytes, cryopreserved at –20 °C, electrophoretic mobility of erythrocytes.*