

2021
vol. 31, issue 2

problems of cryobiology and cryomedicine

contents

review

- Goltsev K.A., Kryvoruchko I.A., Goltsev A.M., Parkhomenko K.Yu., Horoshun E.M. Use of modern cryomethods in combined surgical treatment of patients with purulent chronic wounds..... 109

original contributions

theoretical and experimental cryobiology

- Gulevsky O.K., Moisieieva N.M., Gorina O.L., Akhatova Yu.S. Comparative evaluation of wound healing effect of cord blood low molecular weight fraction (below 5 kDa) and actovegin drug in skin cryolesions..... 116
Isayenko O.Yu., Knysh O.V., Popov M.M., Minukhin V.V., Babych E.M., Peretyatko O.G. Impact of biologically active complexes of *Lactobacillus rhamnosus GG* and *Saccharomyces boulardii* after storage under low temperatures on biofilm forming ability in corynebacteria..... 127
Diubko T.S., Pivovarenko V.G., Chekanova V.V., Pakhomova Yu.S., Gvozdiuk Ya.V., Kompaniets A.M., Tatarets A.L. Study of interaction of glycerol cryoprotectant and its derivatives with dimethylacetamide in aqueous solution using fluorescent probes..... 139
Babiychuk V.G., Aidarova V.S., Lomakin I.I., Kudokotseva O.V., Roy N.V., Naumova O.V., Protsenko O.S. Influence of hypothermia and cell therapy on structural changes in brain tissues of rats with dyscirculatory encephalopathy of mixed genesis..... 151

cryopreservation of biological resources

- Yurchuk T.O. Cryopreservation of immature oocytes at germinal vesicle stage. When gamete maturation performance seems to be most appropriate..... 161

cryomedicine, clinical and experimental transplantology

- Pobielenskyi K.O., Pakhomov O.V., Gurina T.M., Pobielenska L.A., Legach Ye.I., Bozhok G.A. Experimental cryoablation of thyroid gland with propilthiouracyl-induced diffuse hyperplasiae..... 168

short communication

- Shevchenko N.O., Kovalenko G.V., Kovalenko I.F., Stribul T.F. Discovery of osmotic responses of sweet potato meristems in cryoprotective solutions..... 180

- Instructions for Authors..... 187