

THE STUDY OF ANTIULCER ACTIVITY OF BIOFITON[®] «HEALTHY STOMACH»

Kolisnyk O.A., Drogovoz S.M.

The National University of Pharmacy, Kharkiv, Ukraine

leskonik@gmail.com

The improvement of the methods of extraction of biologically active substances from the plant material is one of the forms of herbal drugs optimization.

The subject of the study has been Biofiton[®] «Healthy stomach» which is produced by «Phytoapteka Chistyakova» and contains: althea roots (13%), cinquefoil rhizomes (11%), plantain leaves (11%), licorice roots (11%), motherwort herb (11%), yarrow herb (11%), marigold flowers (10%), camomile flowers (10%), calamus rhizomes (9%). This drug is made with a unique modern technology of cryomechanic activation of the plant material, which is completely different from all known methods of extraction of biologically active substances. This technology gives the opportunity to concentrate the main properties of the herbal drugs of different biochemical nature in a small volume.

The aim of this study is to prove the antiulcer activity of Biofiton[®] «Healthy stomach». Antiulcer activity of the drug has been studied in a dose of 120 mg/kg (calculated according to the coefficient of species sensitivity) on the model of acute alcoholic prednisolone gastric ulcer in rats.

As a result antiulcer activity of Biofiton[®] «Healthy stomach» has been proved experimentally and made up 85.86%, and hardly yields the activity of Ranitidin comparator, antiulcer activity of which made up 91.35%. Consequently high efficacy of Biofiton[®] «Healthy stomach» makes it promising for prevention of the recurrence and in complex treatment of gastric ulcer.