

DEVELOPMENT AND VALIDATION OF NEW METHODS OF QUALITY CONTROL OF THE
ANTIVIRAL SUBSTANCE FAVIPIRAVIR

YU.V. SCRYPNETS, G.O. FEDOSENKO, G.V. MALTSEV, I.I. CHEBOTARSKA,
D.I. ALEKSANDROVA, S.N. KASHUTSKYY, A.V. YEGOROVA

References:

1. WHO. Novel coronavirus – Thailand (ex-China). Geneva: World Health Organization, Jan 14, 2020. <https://www.who.int/csr/don/14-january-2020-novel-coronavirus-thailand/en/> (accessed Jan 23, 2020)
2. Furuta Y., Gowen B.B., Takahashi K. et al. Favipiravir (T-705), a novel viral RNA polymerase inhibitor. *Antiviral Res.* 2013, 100, 446-454.
3. Bulduk I. HPLC-UV method for quantification of favipiravir in pharmaceutical formulations. *Acta Chromatographica.* 2021, 33 (3), 209-215. <https://doi.org/10.1556/1326.2020.00828>
4. Liu C., Zhang Yu., Bu L., Liu Y., Liu L. Content Determination of Favipiravir Tablets by HPLC. *China Pharmacist.* 2015, 18 (7). http://en.cnki.com.cn/Article_en/CJFDTotat-ZYSG201507057.htm
5. Marzouk H.M., Rezk M.R., Gouda A.S., Abdel-Megied A.M. A novel stability-indicating HPLC-DAD method for determination of favipiravir, a potential antiviral drug for COVID-19 treatment; application to degradation kinetic studies and in-vitro dissolution profiling. *Microchem J.*, 2022, 172, 106917. doi: 10.1016/j.microc.2021.106917
6. Egorova A.V., Skripinec Yu.V., Leonenko I.I., Umeckaya I.V., Vojtyuk O.D. Opredelenie ostatochnykh kolichestv na poverkhnostyakh farmacevticheskogo oborudovaniya metodami VERH, lyuminescencii i spektrofotometrii. *Visnik Odes'kogo nacion. un-tu. Khimiya.* 2020, 25, 4(76), 45-55. DOI:[http://dx.doi.org/10.18524/2304-0947.2020.4\(76\).216925](http://dx.doi.org/10.18524/2304-0947.2020.4(76).216925)
7. IMWP, Monographs on Favipiravir and on Favipiravir tablets, 2021 <https://www.who.int/publications/m/item/imwp-monographs-on-favipiravir-and-on-favipiravir-tablets>
8. Derzhavna Farmakopeia Ukrainy: v 3 t. / Derzhavne pidpriemstvo «Ukrainskyi naukovyi farmakopeinyi tsentr yakosti likarskykh zasobiv». – 2-e vyd. - Dopovnennia 4. – Kharkiv: Derzhavne pidpriemstvo «Ukrainskyi naukovyi farmakopeinyi tsentr yakosti likarskykh zasobiv», 2020, 123-236.