DEVELOPMENT OF THE NEW ANTIMICROBIAL DRUG
FOR VETERINARY PRACTICE "FLUPETCYDYM"

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The paper presents a new pharmaceutical composition "Flupetcydym" on the basis of original substance Flupetcyd. Flupetcyd — the main active ingredient of high antimicrobial, anti-inflammatory and analgesic action.

On the basis of its composition developed new drug "Flupetcydym" for veterinary medicine (wt.%):

- Flupetcyd 1,0-5,0
- Dimexid 10,0-50,0
- PEГ 400 89,0-45,0

A method of manufacturing Flupetcydym: 5.0 g flupetcyd dissolved substance when heated to 60-80 °C in 50 g dimexide. The solution was cooled to room temperature and gradually added 45.0 g PEГ-400, carefully stirring. Obtained solution orange-lemon-colored, transparent with a specific smell. The solution Flupetcydym produced for intramuscular injection.

A pharmaceutical composition in the form of an injectable solution ex tempore prepared in accordance with the rules of good manufacturing practice.

Prototypes of the new pharmaceutical composition "Flupetcydym" made in pharmacies and investigated the requirements pharmaco-technological DF Ukraine.

New antimicrobial agent - Pharmaceutical composition "Flupetcydym" used to treat mastitis in cows.

The efficiency Flupetcydym in vitro and in vivo.

To identify and quantify the Flupetcydym, use methods of analysis for pharmacological requirements DF Ukraine.

Experimental, preclinical and clinical studies conducted in accordance with the legislative and regulatory framework of evidence-based veterinary medicine.

For the purpose of innovation in mass production, a new pharmaceutical composition should provide analytical and normative documentation in accordance with the requirements of the legal aspects of pharmacy.

A project “Guidelines for use Flupetcydym which includes mandatory articles (description, composition, pharmacological properties, use, dosage, contraindications, dosage form and type of storage).
"Flupetcydym" of interest to veterinary medicine and therefore it is advisable to extend it further preclinical studies and standardize its quality indicators.

It will expand the range of drugs to treat infectious diseases of farm animals and provide significant economic benefits.

**Keywords:** ANTIMICROBIAL DRUG, PHARMACEUTICAL COMPOSITION, "FLUPETCYDYM", FLUPETCYD, MASTITIS.