



# Regulation for controlling antimicrobial agents in animal health sector and its implementation

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# LAW ON VETERINARY DRUGS AND ANIMAL FEED SUPPLEMENTS

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# Regulation of the Responsible Use of Veterinary Drugs and Feed Supplements



The procedures for prescribing medication will be approved by the head of the government agency responsible for animal health matters



The veterinary division will record information on the adverse effects of medications used in animals, antimicrobial resistance, and medications that leave residues in the bodies of animals.



The supplier organization shall submit semi-annual reports on the income and expenditure of medications that contribute to antimicrobial resistance and leave residues in the bodies of animals to the government agency responsible for animal health matters



The veterinarian shall record and document information regarding the name, date, dosage, and quantity of medications used in the treatment of animals



Herders, animal husbandry workers, and owners of animals are prohibited from purchasing or using unregistered medications



Medications used for the prevention and treatment of diseases in animals will be administered according to instructions

# Prevention of Antimicrobial Resistance



In implementing measures to combat and prevent resistant microorganisms, the principles of restricting, replacing, prohibiting, and removing from the register will be adhered to



Antimicrobial resistance surveillance based on a tiered improvement approach in accordance with international standards will be conducted by **accredited laboratories**



The national plan for surveillance, prevention, and combat of antimicrobial resistance will be jointly approved by the government officials responsible for health and animal health matters



The annual plan for the surveillance, prevention, and combat of antimicrobial resistance will be approved and implemented by the head of the government agency responsible for animal health matters, based on the national plan



The government agency responsible for animal health matters will submit the findings of the antimicrobial resistance surveillance, the status of detections, and information on implemented measures to the relevant international organizations as needed

# The control and inspection of medications will be carried out by veterinary inspection officials and customs officials



- Review and evaluate proposals and requests from individuals and legal entities regarding the production, importation, and sale of medications and pharmaceutical products



- Submit proposals to the competent authority to withdraw from the market any products that are unregistered, have not undergone testing or validation, or have been removed from international use.



- If medications prescribed by prescription are used improperly, the rights of the respective household or intensive farm to supply livestock, animals, and food raw materials and products derived from them to the public will be restricted for three months



- Make recommendations regarding the sampling of medications and pharmaceutical products, and their withdrawal or destruction in cases where they do not meet quality standards



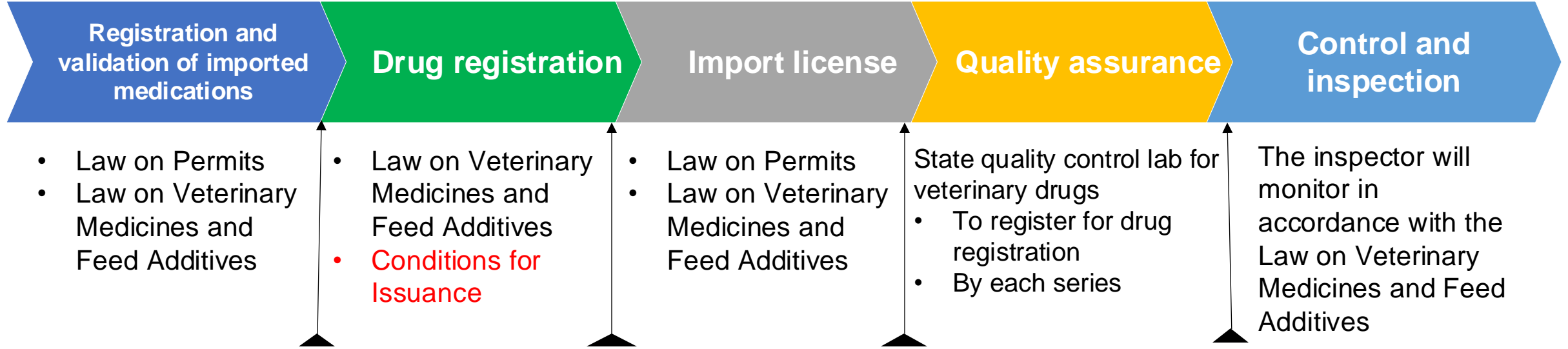
- Submit proposals to the competent authority to suspend the activities of legal entities that have committed violations, either wholly or partially, until the violations are rectified; if violations are repeated, recommend the revocation of their special license to operate



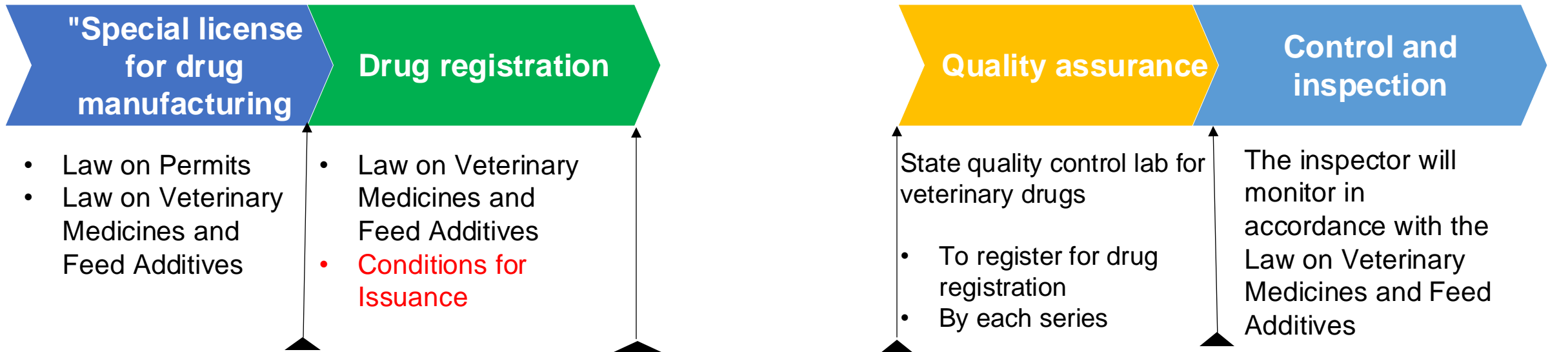
- Review and evaluate whether the supply organization meets the standard requirements and make a conclusion

# REGISTRATION AND QUALITY ASSURANCE OF VETERINARY MEDICINES

## Registration and validation of imported medications



## Domestic drug registration and validation



# Documents required for drug registration



Commercial contract, authorization, and certificate of origin established with the manufacturer



Manufacturer's profile and documentation proving that the facility meets international standards and quality requirements



Results of testing and validation from accredited laboratories in the manufacturer's country and the home country, along with the registration certificate issued by the relevant authority of that country



Published articles on pharmacology and clinical trials, results on active ingredients, excipients, stability testing, research findings on the toxicity or harmful effects of the drug, its efficacy, composition, safety, and interactions



In addition to the aforementioned documents for registering vaccines and biologics, a report from an internationally recognized reference laboratory is required

# A unified system for the registration of animal medications to be implemented

- Will be connected to the General Customs Office, the State quality control laboratory for veterinary drugs, the Animal Health Information System (MAHIS), and the Dan systems
- The animal health certificate will not be issued until the withdrawal period of the prescribed medication has passed
- It is fully possible to monitor medication use and adverse effects.



Registration and extension of medications and feed additives



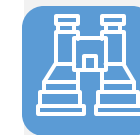
Pharmacopoeia article



Granting, extending special permits, and obtaining import licenses



Writing and issuing prescriptions for medications



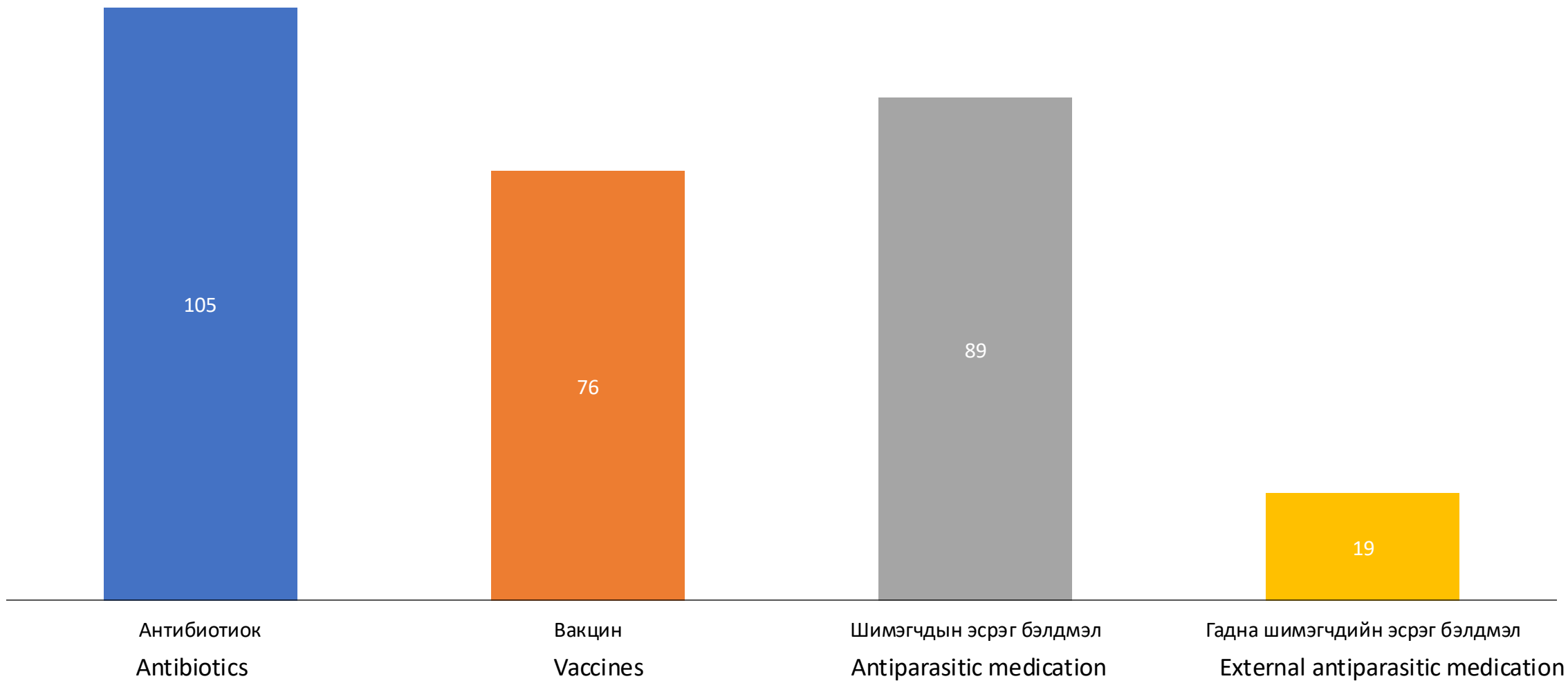
Medication control



Statistics, information, reports

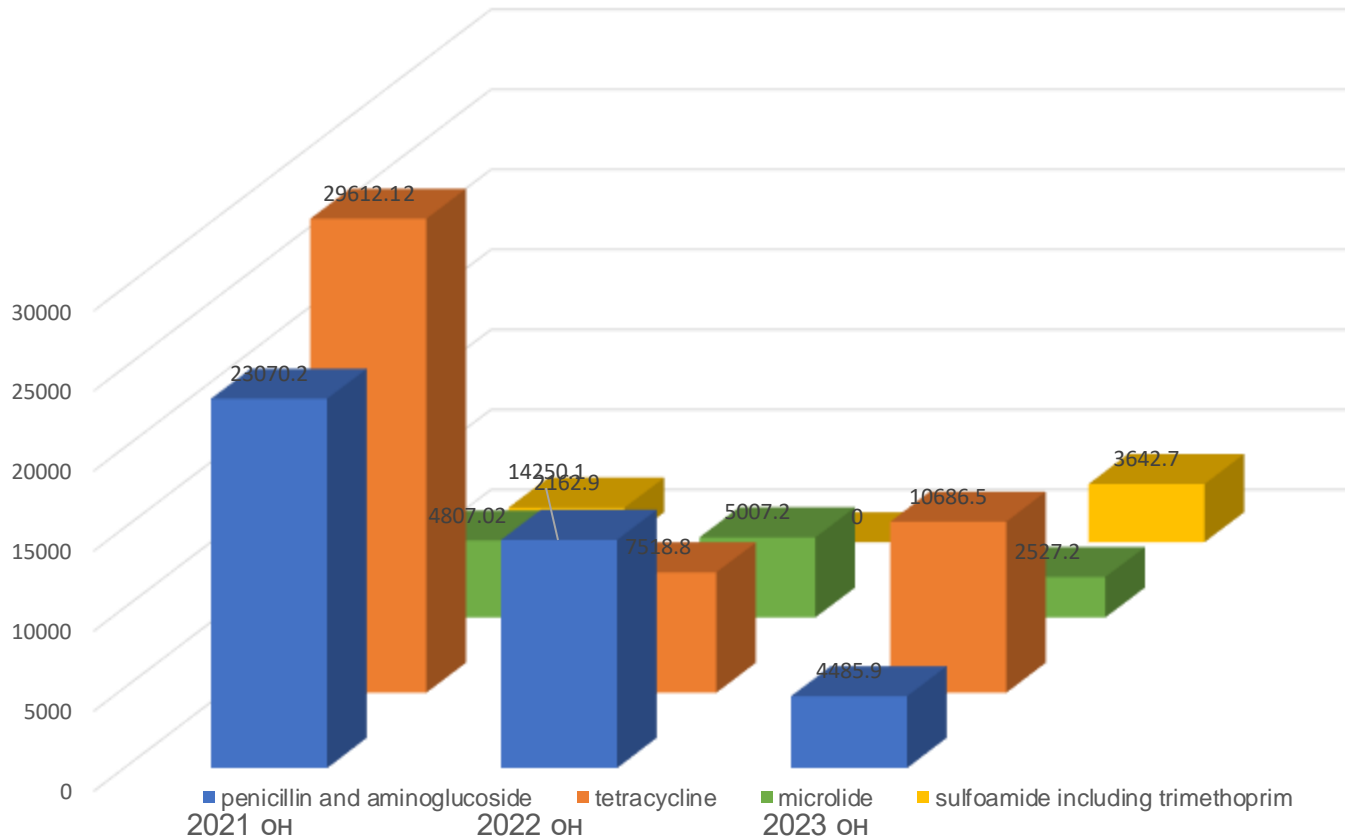


## Medicines and preparations registered in the veterinary drug registry



# ANTIBIOTICS TESTED BY THE STATE QUALITY CONTROL LAB FOR VETERINARY DRUGS FROM 2021 TO 2023

Presentation of antibiotics tested in veterinary medicine by group for the years 2021, 2022, and 2023 /liters/



**In 2020, 44 types of 59 series /21,344.6 liters/**

**In 2021, 45 types from 13 enterprises /30,459.3 liters/**

**In 2022, 49 types from 12 enterprises /61,474.42 liters/**

**In 2023, 69 series of 43 types /39,837 liters/**

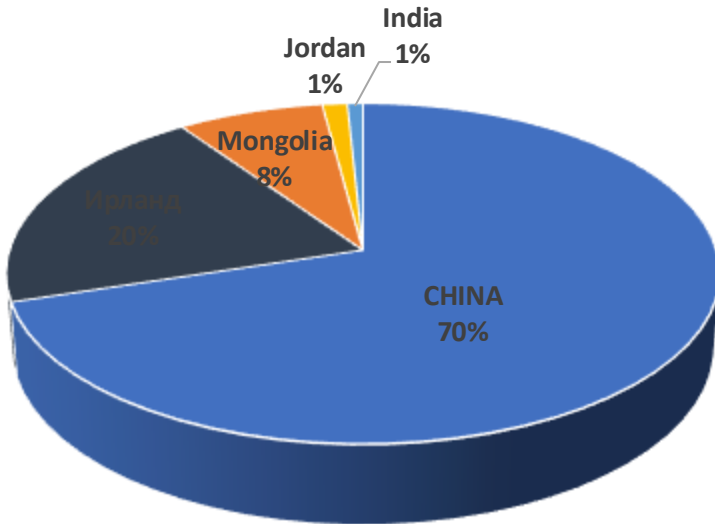
# IVERMECTIN INJECTIONS TESTED BY STATE QUALITY CONTROL LAB FOR VETERINARY DRUGS FROM 2020 TO 2022.

**In 2020, 41 series of 19 types from 14 companies, totaling 62,084.8 liters**

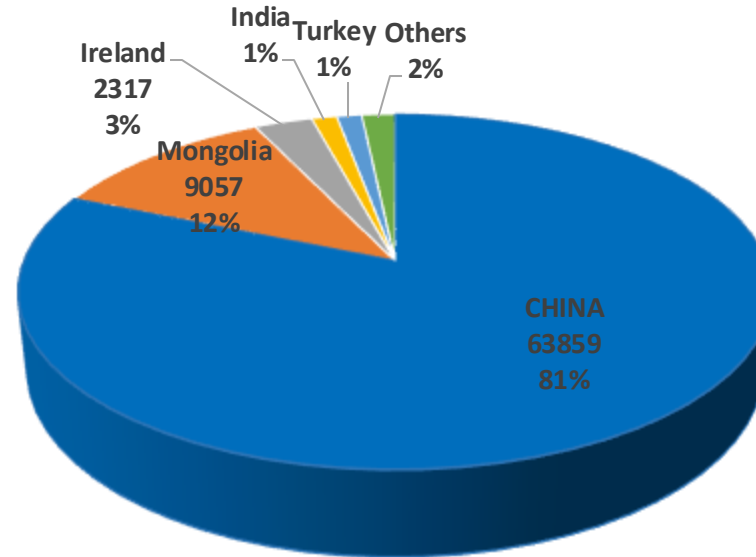
**In 2021, 48 series of 21 types from 16 companies, totaling 78,553 liters**

**In 2022, 71 series of 16 types from 12 companies, totaling 80,905.2 liters.**

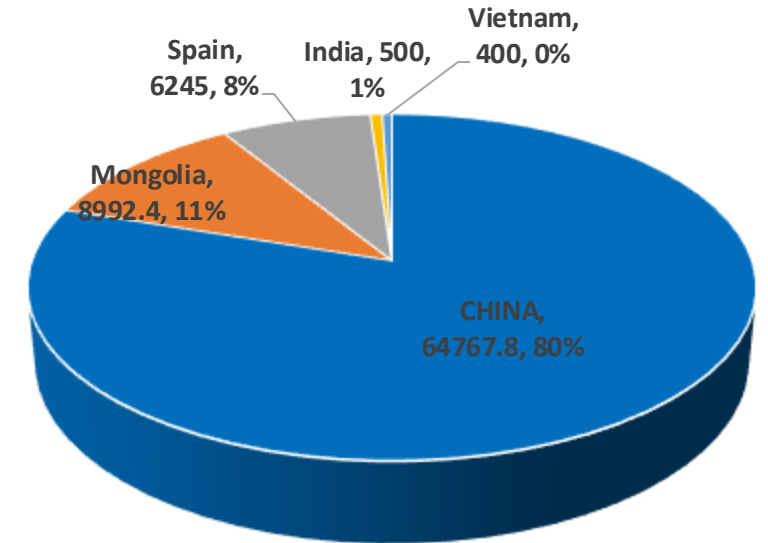
Ivermectin Injection /in liters



Ivermectin Injection /in liters/



Ivermectin Injection /in liters/



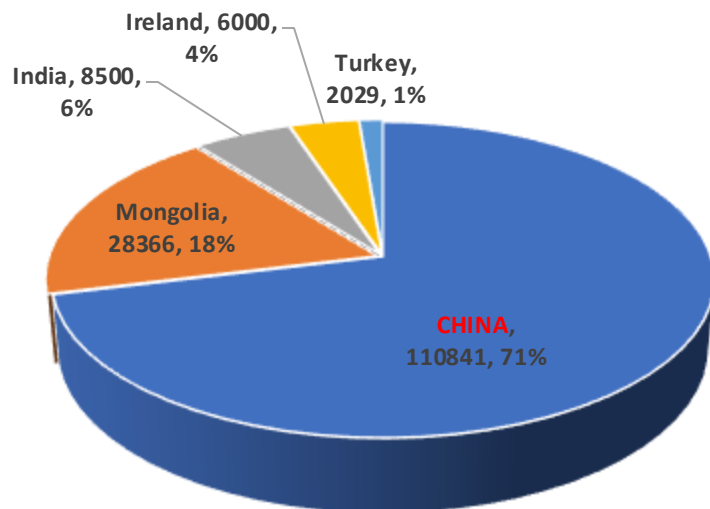
## ANIMAL ANTHELMINTICS TESTED BY STATE QUALITY CONTROL LAB FOR VETERINARY DRUGS FROM 2020 TO 2022

In 2020, 55 series of 13 types from 12 enterprises, totaling 155,736 liters

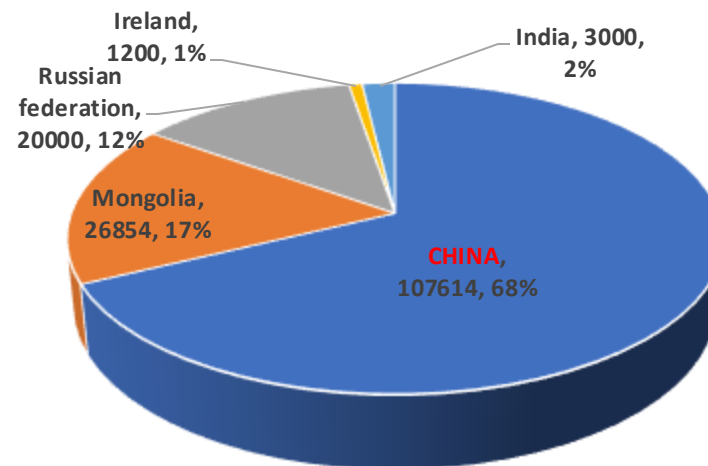
In 2021, 71 series of 18 types from 11 enterprises, totaling 158,668 liters

In 2022, 48 series of 14 types from 10 enterprises, totaling 146,337 liters

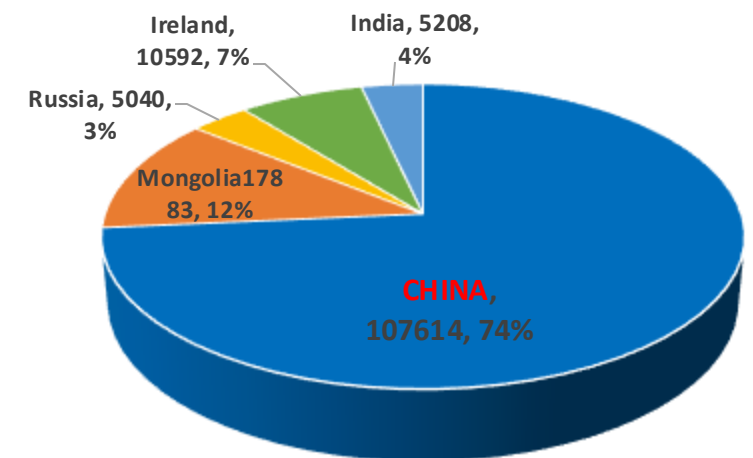
Anthelmintics /in liters/



Anthelmintics /in liters/



Anthelmintics /in liters/





**Thank you for your attention!**