Veterinary Services contribution to the COVID-19 pandemic response in the Republic of Kazakhstan

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One Health Approach

Integrated, unifying approach to balance and optimize the health of people, animals and the environment (WHO)
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The COVID-19 pandemic in Kazakhstan is part of the worldwide pandemic of coronavirus disease 2019 caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2).

First case confirmed in Kazakhstan on 13 March 2020.

The first lock-down was in effect from March 16 to May 11, 2020.
Kazakhstan

Coronavirus Cases: 1,499,224
Deaths: 19,071
Recovered: 1,383,020
Vaccine doses administered: 33,563,811

COVID-19 pandemic in Kazakhstan

Total Coronavirus Cases in Kazakhstan

Retrieved from: https://covid19.who.int/region/euro/country/kz
Veterinary services in Kazakhstan

- Ministry of Agriculture of the Republic of Kazakhstan
  - Committee for Veterinary Control and Supervision
    - National Reference Center for Veterinary
    - Republican Veterinary Laboratory
    - Anti epizootic Squad
    - Local territorial inspectorates
Republican Veterinary Laboratory

Main functions:
Diagnosis of infectious diseases of animals

Capacity and capability:
✓ 18 regional laboratories
✓ 155 laboratories in rural districts of Kazakhstan
✓ 2112 laboratory specialists
National Reference Center for Veterinary

- Two branches in Astana and Almaty
- Reference function for the diagnosis of animal diseases and epizootic monitoring
- Diagnosis of infectious disease of animals using bacteriology, serology and molecular biology methods
- Maintenance of the National Collection of Deposited Strains of Microorganisms (Almaty)
- Registration and approbation of veterinary drugs, feed additives, quality control of preparations during their reclamation
- Food safety monitoring
Veterinary Services contribution to the COVID-19 pandemic in Kazakhstan

✓ > 67 veterinarians trained and involved in COVID-19 diagnostics supported by WOAH and RK Ministry of health guidance

✓ 24 veterinary laboratories (including 24 PCR equipment) located in 11 districts provided for COVID-19 diagnostics

✓ 6 PCR equipment provided from NRCV

✓ 1 mobile group on specially equipped mobile laboratory sent in rural districts for COVID-19 diagnostics

✓ 13 NRCV specialists sent in 7 rural districts to conduct COVID-19 diagnostics

✓ 37031 COVID-19 diagnostic tests conducted
Veterinary Services contribution to the COVID-19 pandemic

24 veterinary laboratories (RVL) provided for COVID-19 diagnostics
13 veterinary specialists sent in 7 rural districts to conduct COVID-19 diagnostics from NRCV
Conclusions

➢ Rapid response of Veterinary services provided to Healthcare system during COVID-19 pandemic in Kazakhstan helped to tackle the emergence of an infection

➢ Well equipped veterinary laboratory facilities and trained specialists allowed to provide efficient support in disease diagnosis

➢ Well-coordinated collaboration of Healthcare and Veterinary services in Kazakhstan demonstrated effective fight against COVID-19 pandemic, which will be continued
Thank you

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