



**RÉPUBLIQUE
FRANÇAISE**

*Liberté
Égalité
Fraternité*



Laboratoire de la rage
et de la faune sauvage
de Nancy

Unité INTERFAS
(INfecTologie - Eco-
épidémiologie - Risque -
FAune Sauvage)

Dr Serik Samarkhanov
Specialist of serology department
**National Reference Center for
Veterinary**
Almaty
Republic of Kazakhstan

Malzéville, le 27 mars 2026

Training attendance certificate

Dossier suivi par :
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This is to certify that Dr Serik Samarkhanov, from the National Reference Center for Veterinary (Republic of Kazakhstan) attended a training course from 16/03/2026 to 27/03/2026 in the Nancy Laboratory for Rabies and Wildlife (France) on the following subjects:

- BHK-21 cell culture (observation)
- CVS-11 virus production (observation and practice)
- FAVN test (observation and practice)

This training course was also dedicated to some theoretical parts: FAVN test, BHK-21 cell culture, validation of the FAVN test (control cards), titres calculation (LogD50 titres and IU/mL titres) and CVS-11 production (MOI, research of CVS-11 working dilution).

Marine Wasniewski, PhD



Deputy Director of the European Union
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Scientific leader of Virology-Immunology-
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Nancy Laboratory for Rabies and Wildlife