



Considerations for joint vaccination programmes for the target animal: Combined and Associated use of vaccines

Panel discussion on joint vaccination focused on Rabies and PPR
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Considerations for veterinary vaccination schedules

- For veterinary species it is desirable to minimise the number of separate vaccinations to reduce stress, optimise productivity and minimise handling
- A 'combined vaccine' is a registered/authorised vaccine intended for the immunisation against more than one disease
- For a combined vaccine safety & efficacy are demonstrated during development in pivotal laboratory and field studies using representative batches.
- Association is defined as the use of two or more veterinary vaccines that hold separate registrations/authorisations
 - Mixing of two or more vaccines prior to use for administration at one site
 - Administration of two or more vaccines at the same time but at different sites
 - Administration of two or more vaccines at different times than indicated on the label each with its own vaccination schedule (e.g. Different vaccines within a vaccination schedule from different manufacturers)

Challenges for developing safety & efficacy data for associated use

- Safety and efficacy laboratory studies are expensive running into \$100Ks+
 - Efficacy studies usually require challenge unless good correlates of protection exist
 - Studies required for each route of administration
 - Studies required for each category of animal e.g. young, pregnant
- 3Rs issues/animal welfare issues with the use of target animals required to demonstrate safety and efficacy
- Little or no incentive for manufacturers to demonstrate association with competitors products
- Standard interaction statement for most veterinary vaccines “No information is available on the safety and efficacy of this vaccine when used with any other veterinary medicinal product.”



Thank you



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Sustainable development goals, UN-SDGs. EuFMD's programme has a main focus on



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