

VETBIONET

Veterinary Biocontained facility Network for excellence in animal infectiology research and experimentation

Deliverable D1.3

List of samples available from collections and procedure for the generation of samples on-demand published on the website

Due date of deliverable: M10

Actual submission date: M12

Start date of the project: March 1st, 2017

Duration: 60 months

Organisation name of lead contractor: APHA

Revision: V1

Dissemination level	
Public	x
Confidential, only for members of the consortium (including Commission Services)	
Classified, as referred to in Commission Decision 2001/844/EC	

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1. Summary

Deliverable 1.3 “List of samples available from collections and procedure for the generation of samples on-demand published on the website” has been completed. As well as access to materials through VetBioNet, the website also has links to other projects, including EU funded, which offer services in the same research area.

It is expected that materials available through the VetBioNet website will increase during the project’ lifetime as the project has more material being generated and/or appropriately characterised and validated by partners.

Objective:

The objective of this task is the supply of material from sample collections held by VetBioNet partner institutes. These collections include viruses, bacteria and prions as well as animal study derived products (sera, tissue etc.). This service is primarily for high containment viruses, bacteria and prions associated with farmed animal diseases. It will be made available through the VetBioNet website and the requests for this type of material will be coordinated by the Transnational access point (TNAAP, Wageningen University). The website and TNAAP will also have information about other collections that can be accessed, including EU projects such as EVAg.

Using databases with information on the collections of partner institutes, the TNAAP will match requests with material from VetBioNet partners or from other projects when possible.

If the material is unavailable through any VetBioNet partners’ or other projects’ collections, production of “on-demand” samples will be considered through the mechanism of a TNA request. This TNA will then need to be approved by the VetBioNet TNAAP including the selection by the user selection panel (USP) and VetBioNet ExCom. This process checks the proposal eligibility and ensures that, if a project is funded, ethical standards are met and the material generated will be of sufficient scientific merit.

Rationale:

The VetBioNet infrastructure project is a comprehensive network of pre-eminent high-containment (BSL3) research facilities, academic institutes, international organisations and industry partners that is dedicated to advance research on epizootic and zoonotic diseases in farmed animals. Key materials generated by their work should be available to other research institutes for scientific research, education and disease control through veterinary and human health programmes.

Teams involved:

The setup of the website was primarily done by EAAP with input on this deliverable from APHA and CVI.

The other institutes involved in provision of access to collections are INRA, FLI, TPI, MRI, INIA and ANSES

2. Introduction

The VetBioNet infrastructure project is to integrate a comprehensive network of pre-eminent high-containment (BSL3) farmed animal facilities in Europe. Research on high containment pathogens of farmed animals requires a significant investment in physical infrastructures, staff

training and competence and legislative compliance. This is a significant economic barrier for achieving the associated benefits research should bring to animal and human health.

The ability to supply key material derived from animal experiments undertaken by partner institutes will improve the competitiveness of European research and health (animal and human) in this area. This task is to provide access to key materials from the partner institutes sample collections to meet this need.

3. Results

The access to sample collections and on demand sample generation, with associated procedures, has been created and placed on the VetBioNet website.

This includes information about other EU funded projects who offer similar services, such as European Virus Archive (global) EVAg. The project EVAg aims at the characterisation, conservation, production and distribution of biological materials in the field of virology. Although this primarily focused on human viruses, some of the VetBioNet partners (APHA, TPI and FLI) are members of this project and supply animal derived viruses. Procedures are in place in VetBioNet to prevent the inefficiencies of duplication of supply (also an ethical concern if animals are used) or as some VetBioNet partners are also partners in other EU projects, double funding of the same supply of material.

Screenshot of the relevant part of the website and application form are given in Annexes 1 and 2.

It is expected that materials available through the VetBioNet website will increase during the lifetime as the project as more material being generated and/or appropriately characterised and validated by partners.

A list of all material and samples available from partners' institutes at the beginning of the project was generated (Spreadsheets available in Annex 3). This list contains information on the material available, pathogens (including aquatic), diagnostic reagents and monoclonal antibodies, the partner in charge of the material and the contact. General information about the type of materials available is on the website, but the list will not be; it will be used by the TNAAP for routing requests.

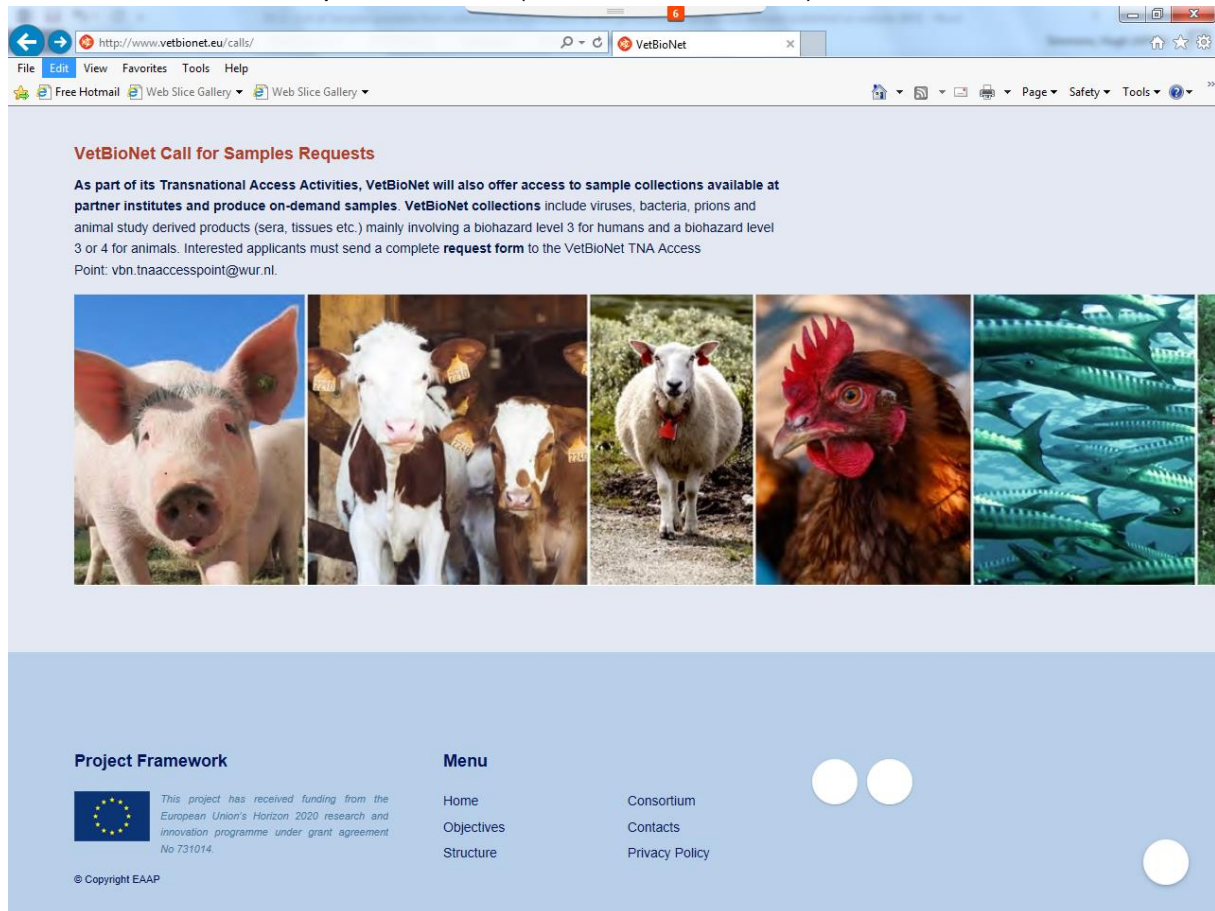
If something is requested and not listed, the partners will be contacted by the TNAAP to see if they have material that could be suitable. If there is nothing available through this route, the VetBioNet TNAAP will invite the applicant to produce samples through Transnational Access (TNA) requests. It should be noted this will be done through the normal approval process for TNA.

4. Conclusions

The ability to supply key materials derived from experiments undertaken on farmed animals in the VetBioNet high containments facilities will improve the competitiveness of European research in this area by overcoming the financial barriers involved in this work and will establish and maintain the leadership of Europe and VetBioNet in this field.


5. Annexes

Annex 1: Access to sample collections (on VetBioNet website)




VetBioNet Call for Samples Requests

As part of its Transnational Access Activities, VetBioNet will also offer access to sample collections available at partner institutes and produce on-demand samples. VetBioNet collections include viruses, bacteria, prions and animal study derived products (sera, tissues etc.) mainly involving a biohazard level 3 for humans and a biohazard level 3 or 4 for animals. Interested applicants must send a complete **request form** to the VetBioNet TNA Access Point: vbn.tnaaccesspoint@wur.nl.



Project Framework



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731014.

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Annex 2: The form for access to sample collections is available via the following link:
<http://www.vetbionet.eu/calls/samples-requests/>

Annex 3: Initial Pathogens and related materials available

ORGANISM	PARTNER	CONTACT	FURTHER INFORMATION/WEBSITE
<i>African swine fever virus</i>	INIA		eur1.asf@inia.es http://www.inia.es
BSE	APHA	Biological.Archive@apha.gsi.gov.uk	https://science.vla.gov.uk/tse-lab-net/biological-archive/index.html
SCRAPIE	APHA	Biological.Archive@apha.gsi.gov.uk	https://science.vla.gov.uk/tse-lab-net/biological-archive/index.html

DIAGNOSTIC REAGENT	PARTNER	Code No.	CONTACT
African Horse Sickness (serotype specific)	TPI	R5802	carrie.batten@pirbright.ac.uk lorraine.frost@pirbright.ac.uk
African Horse Sickness (negative horse sera)	TPI	R5803	carrie.batten@pirbright.ac.uk lorraine.frost@pirbright.ac.uk
African Swine fever (positive sera)	TPI	R5401	carrie.batten@pirbright.ac.uk lorraine.frost@pirbright.ac.uk
Avian influenza	APHA		salesdesk@apha.gsi.gov.uk 44(0)1932 357641
Blue Tongue (Rabbit capture antisera)	TPI	R5702	carrie.batten@pirbright.ac.uk lorraine.frost@pirbright.ac.uk
Blue Tongue (Guinea-pig detecting sera)	TPI	R5703	carrie.batten@pirbright.ac.uk lorraine.frost@pirbright.ac.uk
Blue Tongue (Convalescent sera serotype specific)	TPI	R5707	carrie.batten@pirbright.ac.uk lorraine.frost@pirbright.ac.uk
Blue Tongue (Negative sheep serum)	TPI	R5708	carrie.batten@pirbright.ac.uk lorraine.frost@pirbright.ac.uk
Brucellosis	APHA		salesdesk@apha.gsi.gov.uk 44(0)1932 357641
Capripox (control positive sera for sheep pox, goat pox and lumpy skin disease)	TPI	R6001	carrie.batten@pirbright.ac.uk lorraine.frost@pirbright.ac.uk
Epizootic Haemorrhagic Disease (rabbit capture antisera)	TPI	R5902	carrie.batten@pirbright.ac.uk lorraine.frost@pirbright.ac.uk
Epizootic Haemorrhagic Disease (guinea pig detecting antisera)	TPI	R5903	carrie.batten@pirbright.ac.uk lorraine.frost@pirbright.ac.uk
Newcastle disease	APHA		salesdesk@apha.gsi.gov.uk 44(0)1932 357641

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2	DIAGNOSTIC REAGENT BY DISEASE	PARTNER	CONTACT	FURTHER INFORMATION/WEBSITE	
3					
4	Classical Swine Fever	APHA	salesdesk@apha.gsi.gov.uk 44(0)1932 357641	http://ahvla.defra.gov.uk/apha-scientific/services/biological-reagents/index.htm	
5	Escherichia coli	APHA	salesdesk@apha.gsi.gov.uk 44(0)1932 357641	http://ahvla.defra.gov.uk/apha-scientific/services/biological-reagents/index.htm	
6	Pestivirus (other not CSF)	APHA	salesdesk@apha.gsi.gov.uk 44(0)1932 357641	http://ahvla.defra.gov.uk/apha-scientific/services/biological-reagents/index.htm	
7					
8	Calicivirus	INIA	barcena@inia.es	barcena@inia.es	
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3	ANIMAL SPECIES	PATHOGEN	INOCULATION ROUTE	BIOLOGICAL MATERIAL	FOR TECHNIQUES	PARTNER	CONTACT	FURTHER INFORMATION/WEBSITE
4	Rainbow trout	VHSV	by Bath	Gill	RNA isolation	INIA	tafalla@inia.es	
5				Skin	RNA isolation	INIA	tafalla@inia.es	
6				Kidney	RNA isolation	INIA	tafalla@inia.es	
7				Intestine	RNA isolation	INIA	tafalla@inia.es	
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