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Better Training for Safer Food *Initiative*

Import Controls on Live Animals

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Sampling and Laboratory tests

Sanne Terryn & Antonio Varo Barbudo

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Summary

- ❖ Quick review of the legal basis for collecting samples in imports of live animals.
- ❖ Some examples of the sampling process in the import of the main species:
 - Equidae
 - Birds
 - Dogs and cats
- ❖ Collection, packaging and submission of samples.
- ❖ Some examples of laboratory tests.

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Legislation

❖ **REGULATION (EU) 2017/625:** Official controls to ensure the application of the rules on animal health and welfare including on animals entering the Union from third countries. Official controls to be carried out at BCPs (article 49) include:

- Documentary checks
- Identity checks
- Physical checks

❖ **Regulation (EU) 2019/2130:** The documentary, identity and physical checks on live animals at BCPs must be carried out in accordance with this regulation. Physical checks (as detailed in Annex I) include:

- Clinical examination,
- Sampling and laboratory testing when appropriate (including quarantine).

Legislation

Regulation (EU) 2019/2130:

Detailed rules on the operations to be carried out during and after the documentary checks, identity checks and physical checks referred to in Articles 49, 50 and 51 of Regulation (EU) 2017/625 on consignments of the categories of animals and goods referred to in Article 47(1) of that Regulation

ANNEX I

- I. Inspection regarding fitness of the animals for further transport and check of the means of transport and journey log
- II. Clinical examination of animals. Sampling may be appropriate where anomaly on clinical examination
- III. **Sampling procedure of ungulates**

Legislation

Regulation (EU) 2019/2130 **ANNEX I, Point 3:**

Sampling of ungulates (bi-ungulates and equidae):

1. To check compliance with the health requirements laid down in the accompanying official certificates or documents or electronic equivalents
2. **At least 3 % of the consignments** of ungulates (*except registered horses as defined in Reg.(EU) 2018/659*) that have arrived each month at the BCP shall be subject to a serological sampling.
 - **At least 10 % of the animals** of the consignment shall be sampled, with a minimum of four animals. If problems are found, that percentage must be increased.
3. Following a risk assessment by the OV, or where provided for in Union legislation, the necessary samples may be taken from any animal in a consignment presented for official control

Other Legislation

❖ **Commission Implementing Regulation (EU) 2021/404** laying down the lists of third countries, territories or zones thereof from which the entry into the Union of animals, germinal products and products of animal origin is permitted.

❖ List of Third countries from which the entry into the Union of certain categories of animals is permitted:

- (a) Annex II for ungulates.
- (b) Annex III for ungulates intended for confined establishments;
- (c) Annex IV for equine animals;
- (d) Annex V for poultry and germinal products of poultry;
- (e) Annex VI for captive birds and germinal products of captive birds;
- (g) Annex VIII for dogs, cats and ferrets;

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Other Legislation

- **COMMISSION IMPLEMENTING REGULATION (EU) 2021/403** as regards model animal health certificates and model animal health/official certificates, for the entry into the Union and movements between Member States of consignments of certain categories of terrestrial animals and germinal products thereof, official certification regarding such certificates.
- **Models of Veterinary certificate and declarations for the entry into the union of animals are found in Annex II.**
 - Chapters 1-11: Ungulates.
 - Chapters 12-18: Equine animals.
 - Chapters 23-35: Birds (Poultry and captive birds).
 - Chapter 38: Cats, Dogs and Ferrets

Other Legislation (non commercial purposes)

Birds (pet birds)

- **Decision 2007/25/EC:** protection measures in relation to highly pathogenic avian influenza and movements of pet birds, including movements from third countries.
 - Annex II. Model of Health Certificate.

Cats, dogs and Ferrets (non commercial)

*****Regulation (EU) 576/2013** on the non-commercial movement of pet animals.

***It was repealed on the 21st of April 2021 by AHL. However, It will continue to apply until 21st of April 2026 in respect to the non commercial movement of pets.**

The legislation concerning the designation and tasks of the European Union Reference Laboratories is **Reg.(EC) No 2017/625**

https://ec.europa.eu/food/ref-labs_en

Provides a list of EURL and NRLs for each animal disease.

Official Laboratories operate and are assessed and accredited in accordance to the **EN ISO/IEC 17025** on “General requirements for the competence of testing and calibration laboratories”.

*Before sending samples the receiving laboratory **MUST be informed** about the submission of samples.*

EU REFERENCE LABORATORIES
AND CENTRES

EU Reference Centres

European Union Reference Laboratories

The legislation concerning the designation and tasks of the European Union Reference Laboratories and the European Union Reference Centres is **Regulation (EU) No 2017/625** starting 29 April 2018.

RELATED LINKS

[EU Reference Laboratories - Work programmes](#)

Animal Health

Reference Laboratory for	Organisation	Links
African horse sickness and Bluetongue	LCV Laboratorios de Sanidad y Genética Animal	EURL NRLs
African swine fever	CISA Centro de Investigación en Sanidad Animal	EURL NRLs
Avian influenza	APHA Animal & Plant Health Agency EURL ended its mandate on 31/12/2018	
Avian influenza and Newcastle disease	IZSVE Istituto Zooprofilattico Sperimentale delle Venezie	EURL NRLs - Avian influenza NRLs - Newcastle disease

BTSE

COUNTRY	INSTITUTION	ADDRESS
Austria	Austrian Agency for Health and Food Safety (AGES)	Robert Kochgasse 17 A-2340 Mödling. Wien
Belgium	CODA-CERVA Modélisation of epizootic diseases.	Groeselenberg 99 1180 Uccle Belgium
Bulgaria	National Diagnostic and Research Veterinary Medical Institute	15 "P. Slavejkov" Blvd. 1606 Sofia
Cyprus	Veterinary Services	Ministry of Agriculture. Natural Resources and environment. Veterinary Services. 1417 Nicosia Cyprus
Croatia	Croatian Veterinary Institute	Savska 143 10 000 Zagreb
Czech Republic	State Veterinary Institute Jihlava	State Veterinary Institute Juhlava. Rantirovska 93. 586 05 Jihlava
Denmark	DTU-Vet	National Veterinary Institute, Lindholm, DK-4771 Kalvehave
Estonia	Estonian Veterinary and Food Laboratory	Kreutzwaldi, 30. 51006 Tartu
Finland	Finnish Food Safety Authority Evira	Mustialankatu 3 FI-00790 Helsinki
France	Anses- laboratoire de Ploufragan-Plouzané	Zoopole-BP 53 22440 Ploufragan

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EXAMPLES OF SAMPLING REQUIREMENTS : EQUIDAE

COMMISSION DELEGATED REGULATION (EU) 2020/692 as regards rules for entry into the Union, and the movement and handling after entry of consignments of certain animals, germinal products and products of animal origin.

❖ ANNEX I – LIST OF DISEASES REQUIRED TO BE NOTIFIED AND REPORTED IN THE EXPORTING THIRD COUNTRY OR TERRITORY.

All the listed diseases referred to in Article 5 of Regulation (EU) 2016/429 and listed in Annex II thereto for the listed species of terrestrial animals in the Annex to Commission Implementing Regulation (EU) 2018/1882.

AHS; glanders; Rabies EIA; dourine; surra; VEE; anthrax; EVA; CEM; JE; WNF; EE (Western and Eastern).

In addition, Regulation 2021/403.

- ❖ **Model of Certificate EQUI-X:** Chapter 12 of **annex II:** Model animal health/official certificate and model declaration for entry into the Union of equine animals **NOT** intended for slaughter

*Point II.2.2 In the country or territory of dispatch, the following diseases are compulsory notifiable: **AHS** African horse sickness, **VEE** Venezuelan equine encephalomyelitis, infection with burholderia mallei (**glanders**), **Surra** (Trypanosoma evansi), **dourine** (trypanosoma equiperdum), **EIA** equine infectious anemia, **rabies** ad **anthrax**.*

BTSF EQUIDAE Legislation

IMPORT OF HORSES FROM MOROCCO:

Commission Implementing Regulation (EU) 2021/404: → ANNEX IV, PART I, Morocco is authorised for the import of registered horses with SG 'E'

ANNEX I

List of third countries, territories or zones thereof authorised for the entry into the Union of consignments of equine animals as referred to in point (1)(c) of Article 3

ISO code and name of the third country or territory	Zone as set out in Part 2 of Annex II	Sanitary group	Categories permitted to enter the Union	Animal health certificates	Specific conditions as set out in Part 3	Animal health guarantees as set out in Part 4	Closing date	Opening date
1	2	3	4	5	6	7	8	9
LB Lebanon	LB-0	E	Registered horses	EQUI-X, EQUI-TRANSIT-X, EQUI-RE-ENTRY-30, EQUI-RE-ENTRY-90-COMP, EQUI-RE-ENTRY-90-RACE				
MA Morocco	MA-0	E	Registered horses; registered equidae; other equine animals not for slaughter; equine animals for slaughter	EQUI-X, EQUI-TRANSIT-X, EQUI-Y, EQUI-TRANSIT-Y, EQUI-RE-ENTRY-30, EQUI-RE-ENTRY-90-COMP, EQUI-RE-ENTRY-90-RACE				

❖ In ANNEX II: Example of the **model health certificate and declaration** needed

BTSF EQUIDAE Legislation

ENTRY OF EQUINE ANIMALS FROM MOROCCO

Regulation (EU) 2021/403, Annex II, Chapter 12: Health Certificate:

❖ Conditions for the territory of origin may include (not exhaustive) :

1. Equine Infectious Anaemia – not occurred in the last 12 MONTHS.
2. African horse sickness – not occurred in last 24 MONTHS.
3. Dourine – not occurred in the last 24 MONTHS.
4. Glanders – not occurred in the last 36 MONTHS.
5. Surra– not occurred in last 24 MONTHS.
6. Etc....
7. Animal has been kept in vector-free premises for **40 days prior to dispatch** (30 days in the case of Registered horses).
8. The animal **has either not been vaccinated against African Horse Sickness**, or vaccinated with conditions i.e. 12 months prior to dispatch – similar conditions provided for other diseases

BTSF EQUIDAE - Example continued

ENTRY OF HORSES FROM MOROCCO

Regulation (EU) 2021/403, Annex II, Chapter 12: Health Certificate:

❖ Attestation of vaccination and health tests:

- Some blood tests may be required:
 - **Infectious Anemia** – Coggins test (AGID) or ELISA negative – within 30 DAYS.
 - **Durine** – Complement Fixation Test negative – within 30 DAYS.
 - **Glanders** – Complement Fixation Test negative – within 30 DAYS.
 - **Surra** - card agglutination test for trypanosomosis (CATT) within 30 DAYS.
 - **African Horse Sickness** – Antibody ELISA (ELISA or blocking ELISA) - Two samples 21-30 days apart – last sample within 10 DAYS:
 - a) Non-Vaccinated: Negative test.
 - b) Vaccinated animals: No increase in Ab in 2nd sample.

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Viral diseases

- ❖ **African horse sickness:** Laboratorio Central de Veterinaria (LCV) Algete (Madrid-Spain).
- ❖ **Other viral diseases:** ANSES Animal Health Laboratory (Maisons-Alfort, France).
 - ✓ Japanese encephalitis virus
 - ✓ West Nile virus
 - ✓ Eastern and Western equine encephalitis
 - ✓ Venezuelan equine encephalitis
 - ✓ Equine infectious anaemia
 - ✓ Equine viral arteritis
 - ✓ Rabies.



Bacterial diseases

- ❖ ANSES Animal Health Laboratory (Maisons-Alfort, France).
 - ✓ Contagious equine metritis.
 - ✓ Glanders.
 - ✓ Anthrax.

Parasitological diseases

- ❖ ANSES Animal Health Laboratory (Maisons-Alfort, France).
 - ✓ Dourine.
 - ✓ Surra.

COMMISSION DELEGATED REGULATION (EU) 2020/692 ANNEX IV PART I: Minimum period of Disease Freedom for the importation of certain ungulate animals:

❖ **ANNEX III:**

- Foot and mouth disease 24 MONTHS
- Vesicular stomatitis: no case of disease during the last six months
- Rinderpest: 12 months.
- Peste des petits ruminants: no case of disease and no vaccination carried out during the last 12 months
- Contagious bovine pleuropneumonia: no case of disease and no vaccination carried out during the last 12 months.

COMMISSION DELEGATED REGULATION (EU) 2020/692 ANNEX IV PART I: Minimum period of Disease Freedom for the importation of certain ungulate animals:

❖ **ANNEX III (continued):**

- **Lumpy skin disease:** no case of disease and no vaccination carried out during the last 12 months.
- **Rift valley fever:** no case of disease and no vaccination carried out during the last 12 months.
- **Sheep pox and goat pox:** no case of disease and no vaccination carried out during the last 12 months.
- **African swine fever:** no case of disease during the last 12 months.
- **Classical swine fever:** no case of disease and no vaccination carried out during the last 12 months.

BTSF BI-UNGULATES - EXAMPLE

e.g. IMPORTS OF LIVE DOMESTIC BOVINES FOR BREEDING FROM CHILE:

REGULATION (EU) 2021/403 as regards model animal health certificates and model animal health/official certificates

BOV-X	Chapter 1: Model animal health/official certificate for entry into the Union of bovine animals
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ISO code and name of the third country or territory	Code of the zone as set out in Part 2	Species permitted to enter the Union	Categories permitted to enter the Union	Animal health certificates	Specific conditions as set out in Part 3	Animal health guarantees as set out in Part 4	Closing date	Opening date
1	2	3	4	5	6	7	8	9
CL Chile	CL - 0	Bovine animals	Animals for further keeping ⁽¹⁾	BOV-X				
		Ovine and caprine animals	Animals for further keeping ⁽¹⁾	OV/CAP-X		BRU		

COMMISSION IMPLEMENTING REGULATION (EU) 2021/404 laying down the lists of third countries

BTSF BI-UNGULATES - EXAMPLE

e.g. IMPORTS OF LIVE DOMESTIC BOVINES FOR BREEDING FROM CHILE:

REGULATION (EU) 2021/403 as regards model animal health certificates and model animal health/official certificates: Annex II chapter 1.

❖ For **Model BOV-X** the animals need to comply with **Health conditions** stated in the model and may be subject to the following tests depending on age:

- **BRUCELLA**: serum agglutination test which shows a Brucella count of less than 30 IU of agglutination per ml within the last 30 days.
- **TB**: intra-dermal tuberculin test within the last 30 days and which showed negative results.
- **ENZOOTIC BOVINE LEUKOSIS**: within the last 30 days to an individual negative test (unless from approved holding).
- **BLUETONGUE**: serological test has been carried out on samples collected at least 30 days prior to the date of dispatch and the animals were subjected to a PCR test, with negative results, carried out on samples collected not earlier than 14 days prior to the date of dispatch

BTSF BI-UNGULATES - EXAMPLE

e.g. IMPORTS OF LIVE DOMESTIC BOVINES FOR BREEDING FROM CHILE:
(continued)

REGULATION (EU) 2021/403 as regards model animal health certificates and model animal health/official certificates: Annex II chapter 1.

❖ For **Model BOV-X** the animals need to comply with **Health conditions** stated in the model and may be subject to the following tests depending on age: (continued)

- **INFECTIOUS BOVINE RHINOTRACHEITIS/INFECTIOUS POSTULAR VULVOVAGINITIS** serological test for the detection of (BoHV-1) within 15 days with one of the diagnostic methods referred to in Article 9(b)(i) of Delegated Regulation (EU) 2020/692
- **BOVINE VIRAL DIARRHEA VIRUS** antigen or genome serological test for the detection of antibodies against bovine viral diarrhoea virus with negative results carried out on samples taken not less than 21 days after the commencement of the quarantine i.e. 21 days prior to the dispatch).

Viral diseases

- **Bluetongue:** LCV (Spain)
- **Capripox viruses:** SCIENSANO (Belgium).
- **Foot and mouth disease:** ANSES (France) and SCIENSANO (Belgium)
- **Peste des petits ruminants:** CIRAD (Montpellier, France)

Bacterial diseases

- **Bovine Tuberculosis:** VISAVET Health Surveillance Centre (Madrid-Spain)



BTSF Multiple Species/zoonosis - EURL

Viral diseases

- **Rabies:** ANSES Animal Health Laboratory (Maisons-Alfort, France).

Bacterial diseases

- **Brucellosis:** ANSES Animal Health Laboratory (Maisons-Alfort, France).

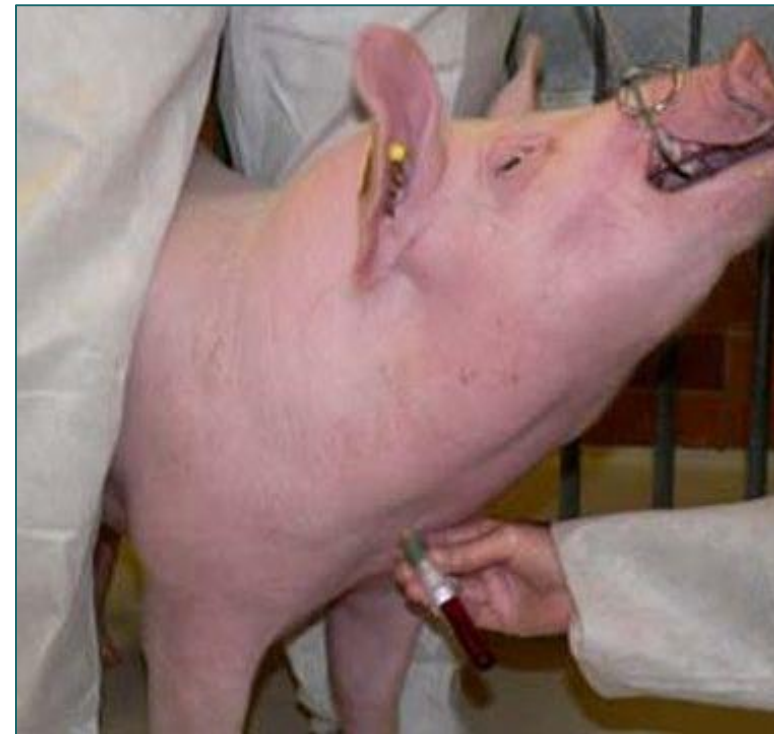


BTSF BI-UNGULATES: Swine - EURL

Viral diseases

- ❖ **African swine fever:** Centro de Investigacion en Sanidad Animal (CISA-INIA) Valdeolmos (Madrid-Spain).
- ❖ **Classical swine fever:** Institutes für Virologie der Tierärztlichen Hochschule Hannover (Germany).
- ❖ **Foot and mouth disease:** Agence Nationale de Sécurité Sanitaire de l'Alimentation – ANSES (France) and SCIENSANO (Belgium)

BTSF BI-UNGULATES: Swine - Example



- ❖ **Authorised countries** – Chapter VIII of **REGULATION (EU) 2021/404** laying down the lists of third countries;
- ❖ **Rabies vaccination and antibody test** – *Regulation (EU) 2020/692 art. 76 & Annex XXI part I.*
 - Sample collected by an authorised veterinarian **at least 30 days after the date of vaccination** and **not less than three months before the date of movement**.
 - Level of neutralising antibody to rabies virus in serum $\geq 0,5$ IU/ml.
 - Performed in an approved laboratory (approved by ANSES-Nancy laboratory).
- ❖ **Model of certificate: Regulation (EU) 2021/403 Annex II chapter 38, Model CANIS-FELIX-FERRET**
- ❖ **AT BCP.**
 - With animal health certificate issued by official vet from 3rd country.
 - Common Health Entry Document (CHED) to be issued.
 - Vaccination records and certificate report for rabies titration test.

If rabies **antibody test is missing** or not performed adequately:

- Dogs may be returned to its country or territory of dispatch
- They may be sampled to confirm that they meet the requirements of the legislation before they are released, &
 - proceed to isolation under official control.

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❖ SAMPLING IN IMPORTS OF BIRDS: A CONSIGNMENT OF FALCONS, i.e. Captive birds, DESTINED TO A BREEDING CENTRE

❖ Main import requirements:

- They have not been vaccinated against avian influenza.
- The birds were subject to a laboratory virus detection test, 7-14 days prior to the shipment with negative results for any **avian influenza and Newcastle disease virus**.
- The birds must be transported directly to approved quarantine facilities.
- At the approved quarantine facilities they shall be **quarantined** for at least 30 days where they shall be sampled and tested with negative result for detection of **avian influenza and Newcastle disease**.

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Other Species - EURL

Avian

- ❖ Istituto Zooprofilattico Sperimentale delle Venezie (IZSVE).

Crustacean diseases

- ❖ Danmarks Tekniske Universitet (DTU).

Fish Diseases

- ❖ Danmarks Tekniske Universitet (DTU).

Honeybee Health

- ❖ ANSES Animal Health Laboratory (Maisons-Alfort, France).

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Samples and Laboratory tests

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BTSF WHY TEST?



High pathogenic
avian influenza

ADIS Outbreak [DE-RABIES-RABV-2021-00001](#) submitted



Details of the outbreak

Date of suspicion: 08/09/2021

Date of confirmation: 15/09/2021

Preliminary cleaning & disinfection date (if applicable): -

Date of submission: 20/09/2021

National reference: 21-107-00008

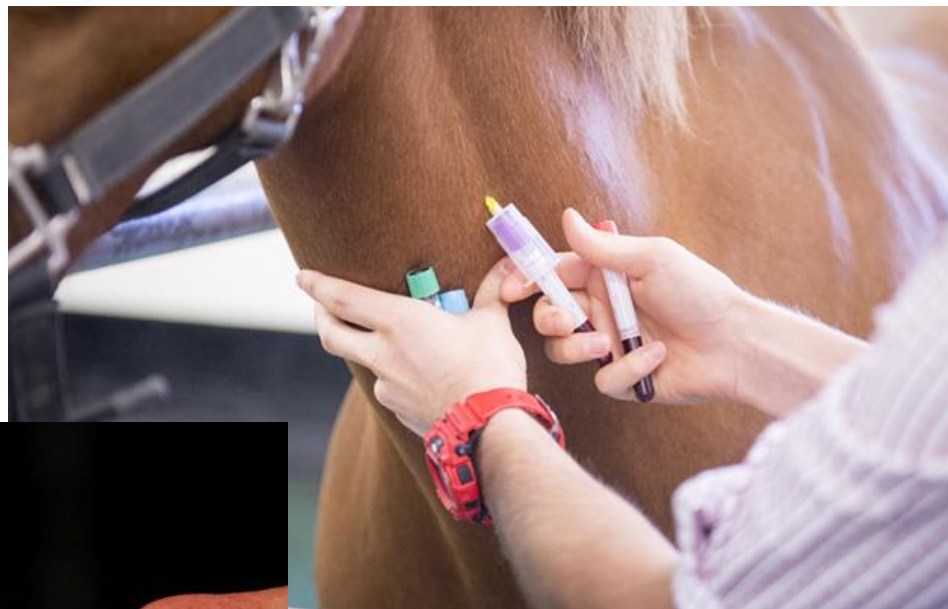
Specific information: Rabies case confirmed in an 8 weeks old dog puppy brought illegally from Turkey via Bulgaria to Germany on 2 September 2021. The puppy was kept separately in an completely enclosed garden of a house without having any contact to other animals. The puppy died on 9 September 2021 in a veterinary clinic without having any contact to other animals. The people who had contact to the dog received an emergency vaccination. The epidemiological investigation confirmed that the rabies-free status of Germany is not endangered.

Control measures applied: Disease notification, Disinfection

Diagnostic tests: -

Coordinates: 53.05 / 8.91

BTSF THE RIGHT SAMPLE



BTSF THE RIGHT PACKAGING

Is the material of substance one of the following:

- Sterile
- Neutralized/inactivated
- Environmental sample
- A product for transplant/transfusion
- A dried blood spot

NO

Is the material/substance known, or reasonably expected to, contain a biological agent capable of causing severe disability, or life-threatening or fatal illness in exposed humans or animals?

NO

Does the material/substance contain only a minimal likelihood of biological agents, or biological agents that are unlikely to cause illness in exposed humans/animals

NO

Category B infectious substance

UN3379 – Biological substance category B
UN3291 – Biomedical waste

YES

Exceptions

The material/substance is not subject to any transport regulations (unless transported together with other dangerous goods)

YES

Category A

UN2814 – infectious substance affecting humans
UN2900 – infectious substance affecting animals **only**

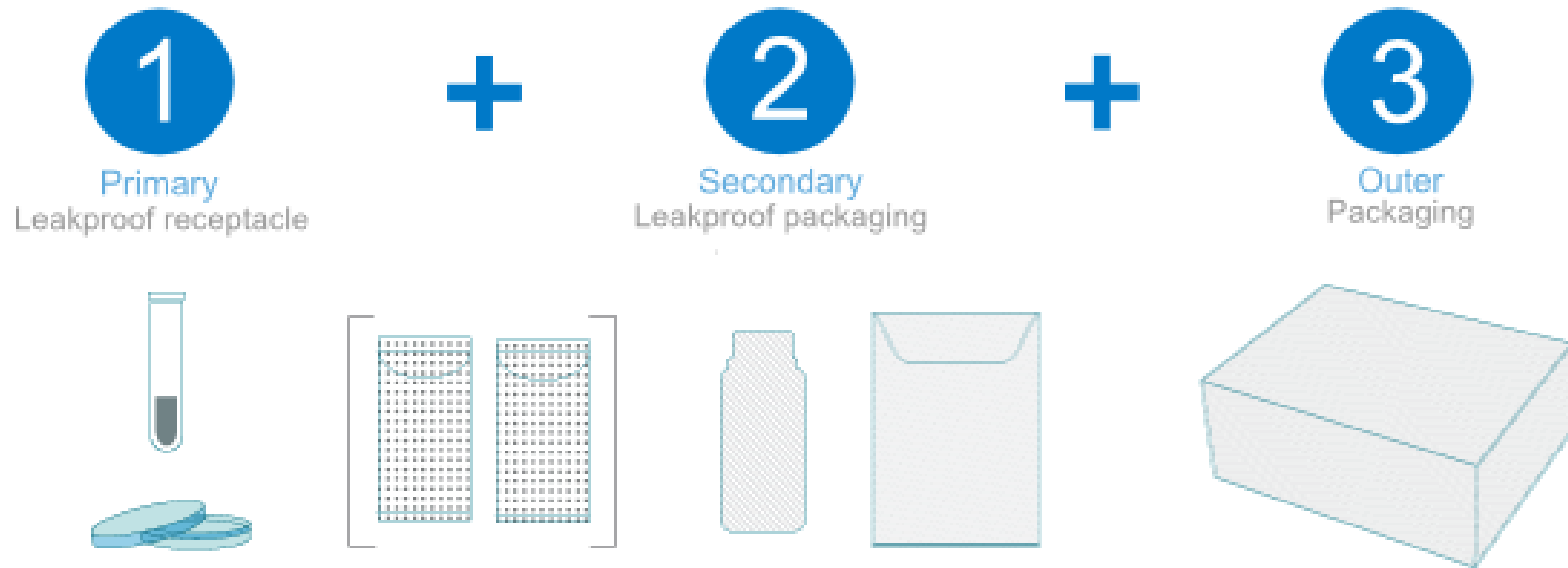
YES

Exempt human/animal specimen

(Basic triple packaging)

BTSF THE RIGHT PACKAGING

- ❖ “Exempt animal specimen” = basic triple packaging
- ❖ Not subject to specific infectious substance regulations



Protect sample from breaking, leaking,...

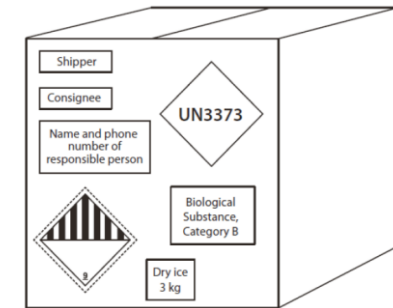
BTSF THE RIGHT PACKAGING

❖ Category B (**UN3373**): IATA packaging instruction 650.



- ✓ **Primary container:**
 - ✓ Leak proof (not glass).
 - ✓ Wrapped in absorbent material.
- ✓ **Secondary container:** e.g. tin
 - ✓ Crush and leak-proof.
 - ✓ Surrounded by sealed freezer packs/**dry ice***.
- ✓ Strong outer packaging.
- ✓ **List of contents** should be enclosed in an envelope between the secondary and outer packaging.

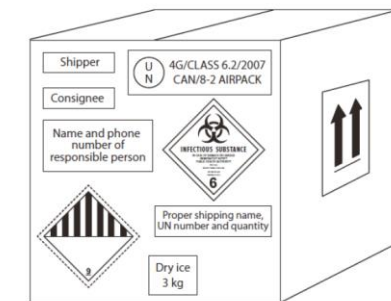
*NB: dry ice is a dangerous good.



❖ Category A (**UN2900/UN2814**): IATA packaging instruction 620.

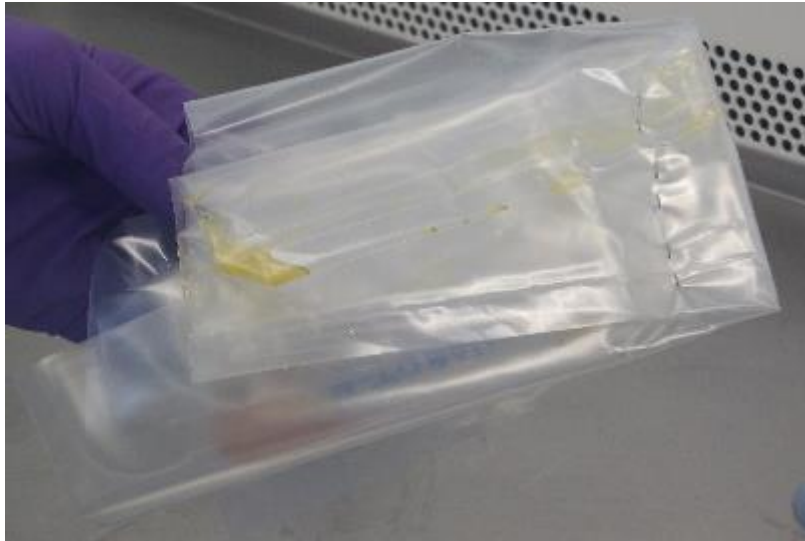


- ✓ Same as above, plus:
 - ✓ IATA Approved secondary container to UN specifications.
 - ✓ Maximum 50ml of infectious substances.
 - ✓ Outer pack also following IATA specs. If using dry ice



BTSF THE WRONG PACKAGING – EXAMPLES

❖ Primary container must be leak-proof.



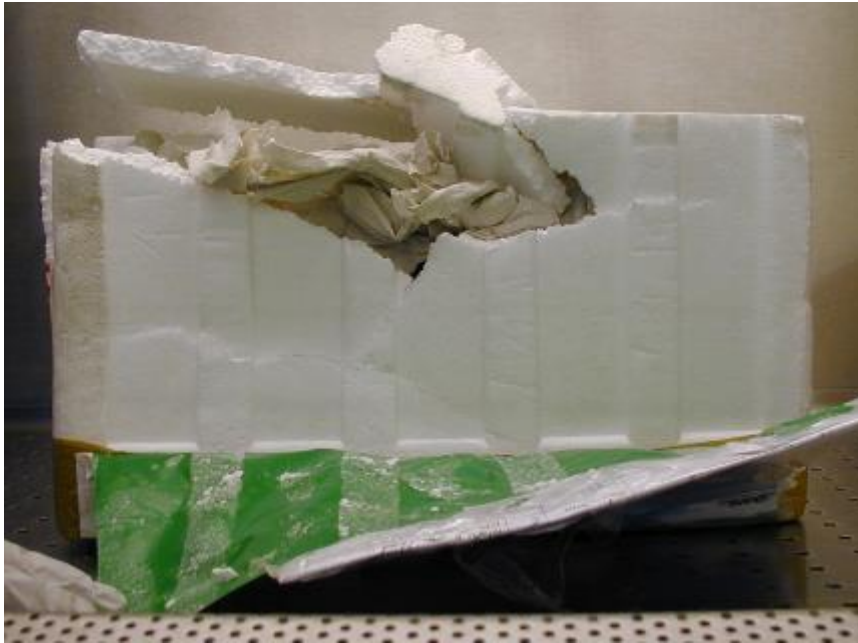
❖ Secondary container must be leak-proof



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BTSF THE WRONG PACKAGING – EXAMPLES

❖Outer packaging must be robust.



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BTSF THE WRONG PACKAGING – EXAMPLES

CONSEQUENCES OF POOR PACKAGING.



SOURCE: http://www.oie.int/fileadmin/Home/eng/Conferences_Events/sites/VETO2010/Session%203/Session_3_3_Andrea_Graf-Gruber.pdf

BTSF SENDING THE SAMPLES

- ❖ **Follow the correct transportation guidelines**
- ❖ Check with the lab
 - ❖ Specific type of sampling?
 - ❖ Specific transport conditions? Requirements?
 - ❖ Import permits?

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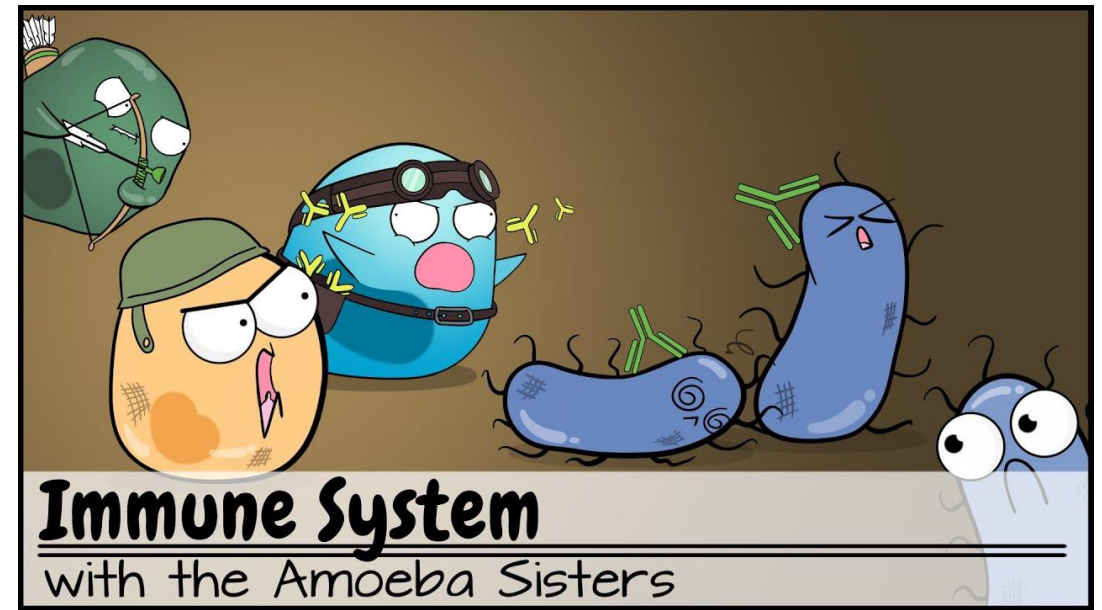
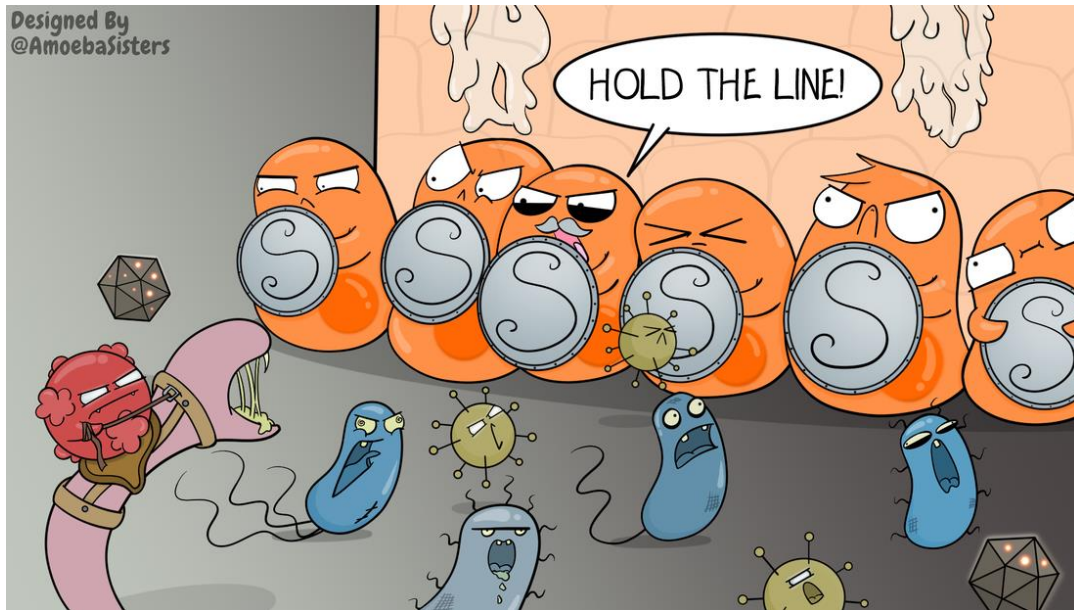
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LABORATORY TESTS

Detect

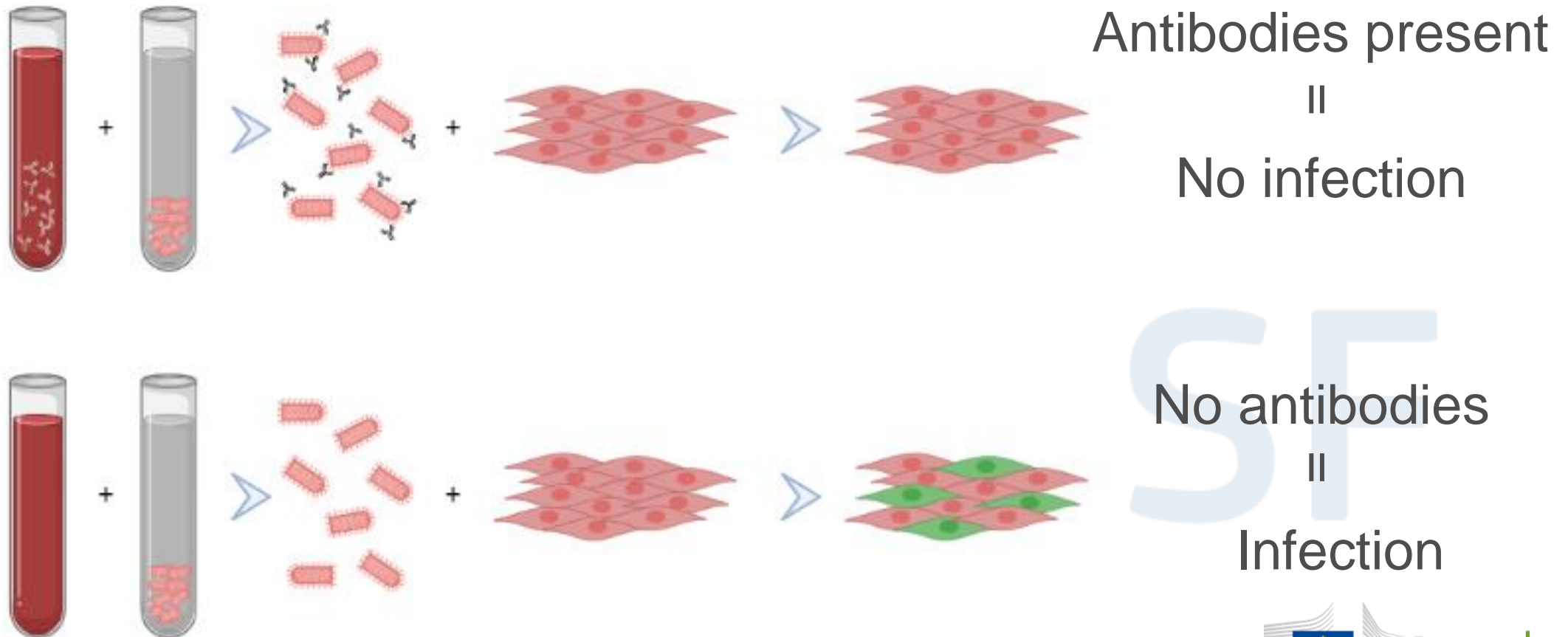
pathogen

immunity



BTSF LABORATORY TESTS – EXAMPLES

❖ Seroneutralisation assay (e.g. Rabies FAVN or RFFIT)



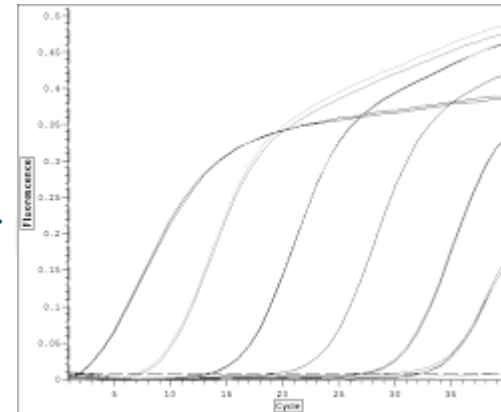
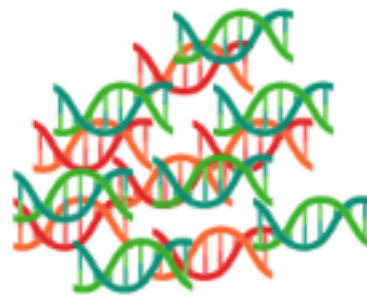
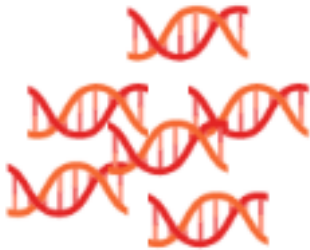
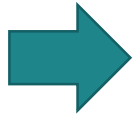
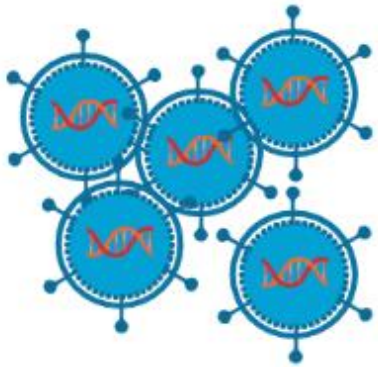
BTSF LABORATORY TESTS – EXAMPLES

❖ **Seroneutralisation** (e.g. Rabies FAVN or RFFIT)

- ❖ Use: proof of vaccination
- ❖ No differentiation between current infection and vaccination (cfr. 3 month waiting period prior to import)
- ❖ Expressed in International Units per ml
- ❖ Titer ≥ 0.5 IU/ml required (rabies)
- ❖ Duration: min. 48h (labourintensive)



❖(RT-q)PCR (e.g. FMDV, Avian influenza)



Extraction

Amplification

Quantification

BTSF LABORATORY TESTS – EXAMPLES

❖(RT-q)PCR (e.g. FMDV, Avian influenza)

- ❖Use: presence/absence of disease
- ❖Expressed in Ct values
 - ❖High Ct values = low viral/bacterial load = often begin or end of infection
 - ❖Low Ct values = low viral/bacterial load = peak of infection
 - ❖Cut-off positive/negative determined by lab
- ❖Duration: few hours

BTSF WHAT CAN GO WRONG

Protect yourself!



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Keep in touch



ec.europa.eu/



europa.eu/



[@EU_Commission](https://twitter.com/EU_Commission)



[@EuropeanCommission](https://www.facebook.com/EuropeanCommission)



[European Commission](https://www.linkedin.com/company/european-commission)



[europeancommission](https://www.instagram.com/europeancommission)



[@EuropeanCommission](https://www.youtube.com/EUTube)



[EUTube](https://www.youtube.com/EUTube)



[EU Spotify](https://open.spotify.com/playlist/37i9ZQAEWUu4C89iW1WY04)

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Thank you

European Commission
Consumers, Health and Food Executive Agency
DRB A3/042
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