Blood Products

1. Blood products for feed
2. Blood products (excluding from equidae) for manufacture of derived products outside the feed chain for farmed animals
3. Blood products from equidae for use outside the feed chain

Simon Rowell

1. Blood products for Feed

Import requirements

Annex XIV Chapter I Section 1 Table 1

Note legislation referred to in third country lists has been replaced

Table 1

No	Product	Raw materials (reference to provisions of Regulation (EC) No 1069/2009)	Import and transit conditions	Third countries' lists	Certificates/model documents
2	Blood products for feed material	Category 3 materials referred to in Article 10 (a) and (b)(i).	►M9 The blood products must have been produced in accordance with Section 2 of Chapter II of Annex X and Section 5 of Chapter I of Annex XIV. ◄	(a) In the case of blood products from ungulates: Third countries or parts of third countries listed in Part 1 of Annex II to Regulation (EU) No 206/2010, from which imports of all categories of fresh meat of the respective species are authorised. (b) In the case of blood products from other species: Third countries listed in Part 1 of Annex II to Regulation (EU) No 206/2010.	Annex XV, Chapter 4(B).

Feed

Reg. (EU)142/2011

Raw material for feed use

Only blood referred to in Reg.(EC) 1069/2009 Article 10(a) and Article 10(b)(i) may be used for blood products for feed:

(a) carcases and parts of animals slaughtered .. and which are fit for human consumption in accordance with Community legislation, but are not intended for human consumption for commercial reasons;

(b) carcases and the following parts originating either from animals that have been slaughtered in a slaughterhouse and were considered fit for slaughter for human consumption following an ante-mortem inspection…

(i) carcases or bodies and parts of animals which are rejected as unfit for human consumption in accordance with Community legislation, but which did not show any signs of disease communicable to humans or animals;

Feed

Reg. (EU)142/2011

Processing standards: Produced in accordance with Annex X Chapter II section 2 *and* Annex XIV Chapter I section 5

Annex X Chapter II section 2:

Blood products for feed use must have been submitted to:

(a) any of the processing methods 1 to 5 or processing method 7 as set out in Chapter III of Annex IV; or

(b) another method which ensures that the blood product complies with the microbiological standards for derived products set out in Chapter I of this Annex.

Microbiological standards:

Salmonella: absence in 25 g: n = 5, c = 0, m = 0, M = 0

Enterobacteriaceae: n = 5, c = 2, m = 10, M = 300 in 1 g

Processing standards *(continued)*

Requirement if porcine blood products are to be fed to pigs. Annex XIV Chapter I section 5

Blood products, including spray dried blood and blood plasma which have been **derived from porcine animals** intended for the **feeding of porcine animals** must have been:

(a) subjected to a heat treatment at a temperature of at least 80 °C throughout the substance and the dry blood and blood plasma is of not more than 8 % moisture with a water activity (Aw) of less than 0,60;

(b) stored in dry warehouse conditions under room temperature for at least 6 weeks.

Feed

Reg. (EU)142/2011

Third countries:

Ungulates: Third countries listed in ~~Part 1 of Annex II to Regulation (EU) No 206/2010,~~ Reg. (EU) 2021/404 Annex XIII from which imports of all categories of fresh meat of the respective species are authorised.

Other species: Third countries listed in ~~Part 1 of Annex II to Regulation (EU) No 206/2010~~ Reg. (EU) 2021/404 Annex XIII

Certificate: Annex XIV Chapter 4B.

Additional requirement

Regulation (EC) 999/2001, annex VI, chapter III, section C requires an analysis on unauthorised animal constituents for blood products from non-ruminants for feeding of non-ruminants.

2. Blood products for use outside the feed chain (excluding equidae)

Technical use (exc equidae) Reg. (EU)142/2011

Import requirements

Annex XIV Chapter II Section 1 Table 2

Note legislation referred to in third country lists has been replaced

Table 2

No	Product	Raw materials (reference to provisions of Regulation (EC) No 1069/2009)	Import and transit conditions	Third countries' lists	Certificates/model documents
2	Blood products, excluding from equidae, for the manufacture of derived products for uses outside the feed chain for farmed animals	Category 1 material referred to in Article 8(c) and (d) and Category 3 material referred to in Article 10(a), (b), (d) and (h).	The blood products must have been produced in accordance with Section 2. Third countries listed either in Part 1 of Annex II to Regulation (EU) No 206/2010, in Part 1 of Annex I to Regulation (EC) No 798/2008, or in Part 1 of Annex I to Regulation (EC) No 119/2009. Japan. (d) in the case of treated blood products of any species: Third countries listed in Part 1 to Annex II of Regulation (EU) No 206/2010, in Part 1 of Annex I to Regulation (EC) No 798/2008 or in Part 1 of Annex I to Regulation (EC) No 119/2009. Japan.	The following third countries: (a) in the case of untreated blood products of ungulates: Third countries or parts of third countries listed in Part 1 of Annex II to Regulation (EU) No 206/2010 from which imports of fresh meat of any domestic ungulate species is authorised and only for the period indicated in column 7 and 8 of that Part. Japan. (b) in the case of untreated blood products of poultry and other avian species: Third countries or parts of third countries listed in Part 1 of Annex I to Regulation (EC) No 798/2008. Japan. (c) in the case of untreated blood products of other animals:	(a) In the case of untreated blood products: Annex XV, Chapter 4 (C). (b) In the case of treated blood products: Annex XV, Chapter 4 (D).

Technical use (exc equidae) Reg. (EU)142/2011

Raw material:

Category 3 Reg.(EC) 1069/2009 article 10(a), (b), (d) (- slaughterhouse); (h) (- live animals), and

Category 1 article 8(c) (illegal treatments) and (d) (environmental contaminants & non-permitted residues)

Production requirements:

Produced in accordance with section 2 Chapter II of Annex XIV:

- Originate from approved plant or collection centre
- Collected under veterinary supervision from approved slaughterhouses or approved collection facilities

Technical use (exc equidae) **Reg. (EU)142/2011**

Specific import conditions

Artiodactyla, Perissodactyla, Proboscidea, inc. crossbreeds:

Treated blood products:

- 65C for 3hrs followed by an effectiveness check
- 25kGy by gamma rays followed by an effectiveness check
- 80C followed by an effectiveness check
- pH 5 for 2hrs followed by an effectiveness check (not applicable for Suidae / Taysuidae)

Technical use (exc equidae) **Reg. (EU)142/2011**

Specific import conditions *(continued)*

Artiodactyla, Perissodactyla, Proboscidea, inc. crossbreeds:

Untreated blood products (all species)

From country where:

- No case of rinderpest, peste des petits ruminants or Rift Valley fever for at least 12 months without vaccination
- No foot and mouth disease in last 12 months
- If vaccinating, blood products must be channelled to destination

Technical use (exc equidae) Reg. (EU)142/2011

Specific import conditions *(continued)*

Artiodactyla, Perissodactyla, Proboscidea, inc. crossbreeds:

Untreated blood products (exc. suidae & tayasuidae)

Also from country where:

either

- No vesicular stomatitis or bluetongue in country of origin for at least 12 months without vaccination

or

- Blood products must be channelled to destination

Technical use (exc equidae) **Reg. (EU)142/2011**

Specific import conditions *(continued)*

Artiodactyla, Perissodactyla, Proboscidea, inc. crossbreeds:

Untreated blood products - Suidae & Tayasuidae

Also from country where:

- No case of swine vesicular diseases, classical or african swine fever in last 12 months without vaccination; and

either:

- No vesicular stomatitis last 12 months without vaccination,

or

- Blood products must be channelled to destination

Technical use (exc equidae) **Reg. (EU)142/2011**

Specific import conditions
Poultry & other avian species

Treated blood products:

- 65C 3hrs followed by an effectiveness check
- 25kGy by gamma rays followed by an effectiveness check
- 70C followed by an effectiveness check

Technical use (exc equidae) Reg. (EU)142/2011

Specific import conditions *(continued)*
Poultry & other avian species

Untreated blood products:

From country:

- Free of Newcastle disease and HPAI
- No vaccination against avian influenza last 12 months
- No vaccination against Newcastle Disease prepared from a Newcastle disease master strain showing a higher pathogenicity than lentogenic virus strains.

Technical use (exc equidae) Reg. (EU)142/2011

Countries of origin and certificates

Treated blood products (exc. equidae):

Third countries:

Third countries listed in:

- ~~In Part 1 to Annex II of Regulation (EU) No 206/2010,~~
- Reg. (EU) 2021/404 Annex XIII, or
- ~~In Part 1 of Annex I to Regulation (EC) No 798/2008~~
- Reg. (EU) 2021/404 Annex XIV, or
- ~~In Part 1 of Annex I to Regulation (EC) No 119/2009~~
- Reg. (EU) 2021/405 Annex V (leporidae) or Annex VI (wild land mammals other than ungulates & leporidae) & Japan

Certificate:

Annex XV **Chapter 4D.**

Technical use (exc equidae) Reg. (EU)142/2011

Countries of origin and certificates

Untreated blood products (exc. equidae):

Third countries:

- **Ungulates:** Third countries listed in ~~Part 1 of Annex II to Regulation (EU) No 206/2010,~~ Reg. (EU) 2021/404 Annex XIII from which imports of all categories of fresh meat of the respective species are authorised (time limits respected) + Japan.

- **Poultry & Birds:** Third countries or parts of third countries listed in ~~Part 1 of Annex I to Regulation (EC) No 798/2008~~ Reg. (EU) 2021/404 Annex XIV.

Technical use (exc equidae) **Reg. (EU)142/2011**

Countries of origin and certificates

Untreated blood products (exc. equidae):

Third countries *(continued):*

- **Other species:** Third countries listed either in ~~Part 1 of Annex II to Regulation (EU) No 206/2010, in Part 1 of Annex I to Regulation (EC) No 798/2008, or in Part 1 of Annex I to Regulation (EC) No 119/2009.~~
- Reg. (EU) 2021/404 Annex XIII, or
- Reg. (EU) 2021/404 Annex XIV, or
- Reg. (EU) 2021/405 Annex V (leporidae) or Annex VI (wild land mammals other than ungulates & leporidae) & Japan

Certificate: Annex XV **Chapter 4C.**

3. Blood products of equidae for uses outside feed chain

Equidae – technical use Reg. (EU)142/2011

Import requirements

Annex XIV Chapter II Section 1 Table 2

Table 2

No	Product	Raw materials (reference to provisions of Regulation (EC) No 1069/2009)	Import and transit conditions	Third countries' lists	Certificates/model documents
3	Blood and blood products from equidae	Category 3 materials referred to in Article 10(a), (b), (d) and (h).	The blood and the blood products shall comply with the requirements set out in Section 3.	The following third countries: (a) in the case of blood that has been collected in accordance with point 1 of Chapter IV of Annex XIII or where blood products have been produced in accordance with point 2(b)(i) of that Chapter: Third countries or parts of third countries listed in Annex I to Decision 2004/211/EC, from which the importation of equidae for breeding and production is allowed. (b) in the case of blood products which have been treated in accordance with point 2(b)(ii) of Chapter IV of Annex XIII: Third countries listed in Part 1 of Annex II to Regulation (EU) No 206/2010, from which Member States authorise imports of fresh meat of domestic equidae.	Annex XV, Chapter 4(A).

Note legislation referred to in third country lists has been replaced

- Annex I of Decision 2004/211: Now Annex IV of Reg. (EU) 2021/404
- Part 1 of Annex II of Reg. (EU) 206/2010: Now Annex I of Reg. (EU) 2021/405

Equidae – technical use Reg. (EU)142/2011

Raw material: Cat. 3 article 10(a), (b) (d) *(i.e. all from slaughterhouse origin)* (h) (live animals)

Production requirements:

- Produced in accordance with section 3 Chapter II of Annex XIV:
- In approved slaughterhouse or approved blood collection centre under veterinary supervision;
- From animals clinically free of infectious diseases,
- From holdings not subject to restrictions for 30 days minimum
- No contact with equidae from restricted holdings, no contact with equidae from MS or 3rd countries not free of African Horse Sickness

Equidae – technical use Reg. (EU)142/2011

Specific import conditions

Untreated blood products

Must also be from holdings under veterinary supervision for at least 3 months or since birth which have been free of

- African horse Sickness,
- Venezuelan equine encephalomyelitis 2 years,
- Glanders 3 years or 6 months if no clinical signs at slaughter
- Vesicular stomatitis 6 months (exc. serum and plasma)

Equidae – technical use Reg. (EU)142/2011

Specific import conditions

Treated blood products

- 65C for at least 3hrs
- Irradiation 25kGy by gamma rays
- pH 5 for 2 hrs
- Heat treated to 80C

Followed by an effectiveness check

Equidae – technical use Reg. (EU)142/2011

Specific import conditions

All blood & blood products:

- **All precautions taken to avoid contamination**
- **Approved or registered establishment** in third country
- **Packed and labelled** in accordance with point 3 of Chapter IV of Annex XIII – sealed impervious container.
- Whole blood must be marked with approval number of slaughterhouse or collection centre

Equidae – technical use Reg. (EU)142/2011

Third countries:

Untreated: Third countries listed in ~~Reg. (EU) 2018/659 (replacing Decision 2004/211)~~ Reg. (EU) 2021/404 Annex IV from which horses for breeding and production are allowed

Treated: Third countries listed in ~~Part 1 of Annex II to Regulation (EU) No 206/2010~~ Reg. (EU) 2021/405 Annex I from which meat of equidae is authorised

Certificate: Annex XIV Chapter 4A.