

Name:

Alphainfluenzavirus, Influenza A virus, H5N1 subtype

Strain:

A/mallard/Italy/3401/05, Eurasian lineage

Pathotype:

LPAI

Matrix:

Allantoic fluid

Culture system:

SPF embryonated chicken eggs

No. passages:

3

Batch:

2/20

Manufacturing date:

10/20

Expiry date:

03/26

The product is stable under recommended storage and handling conditions

Format:

Lyophilized

Quantity:

≤ 1 g

Viability:

Inactivated

Inactivation:

Beta propiolactone treatment

Titer:

1:256 ± 1 log₂

Analytical method:

Haemagglutination (HA) test

Identification method: Haemagglutination Inhibition (HI) test

Intended use:

Haemagglutination Inhibition (HI) test

Storage:

Lyophilized: ≤ + 8°C; Reconstituted: ≤ - 70°C

Handling and

recommendations:

Lyophilized content of the vial should be reconstituted with 1 mL distilled water to its initial concentration shortly before use. Material should be re-hydrated for 30 mins with gentle mixing prior processing. Once reconstituted, the product should be stored frozen in small aliquots that can be thawed individually on day of use. It is recommended to avoid frequent freeze-thaw cycles that may alter the properties of the

product

Safety note:

Standard Laboratory Procedures should be followed when handling the material

For in vitro use only

Date

Head of the Laboratory



Name:

Alphainfluenzavirus, Influenza A virus, H5N3 subtype

Strain:

A/duck/Italy/775/04, Eurasian lineage

Pathotype:

LPAI

Matrix:

Allantoic fluid

Culture system:

SPF embryonated chicken eggs

No. passages:

3

Batch:

4/15

Manufacturing date:

11/15

Expiry date:

05/26

The product is stable under recommended storage and handling conditions

Format:

Lyophilized

Quantity:

≤ 1 g

Viability:

Inactivated

Inactivation:

Beta propiolactone treatment

Titer:

1:128 ± 1 log₂

Analytical method:

Haemagglutination (HA) test

Identification method: Haemagglutination Inhibition (HI) test

Intended use:

Haemagglutination Inhibition (HI) test

Storage:

Lyophilized: ≤ + 8°C; Reconstituted: ≤ - 70°C

Handling and

recommendations:

Lyophilized content of the vial should be reconstituted with 1 mL distilled water to its initial concentration shortly before use. Material should be re-hydrated for 30 mins with gentle mixing prior processing. Once reconstituted, the product should be stored frozen in small aliquots that can be thawed individually on day of use. It is recommended to avoid frequent freeze-thaw cycles that may alter the properties of the

product

Safety note:

Standard Laboratory Procedures should be followed when handling the material

For in vitro use only

Date

Head of the Laboratory



Name: Alphainfluenzavirus, Influenza A virus, H5N8 subtype

Strain: A/turkey/Italy/7898/2014, Eurasian lineage, clade 2.3.4.4c

HPAI Pathotype:

Matrix: Allantoic fluid

SPF embryonated chicken eggs **Culture system:**

No. passages: 3

1/22 Batch: Manufacturing date: 02/22

Expiry date:

The product is stable under recommended storage and handling conditions

Format: Lyophilized

Quantity: ≤ 1 g

Viability: Inactivated

Inactivation: Beta propiolactone treatment

Titer: 1:128 ± 1 log₂

Analytical method: Haemagglutination (HA) test

Identification method: Haemagglutination Inhibition (HI) test

Intended use: Haemagglutination Inhibition (HI) test

Storage: Lyophilized: ≤ + 8°C; Reconstituted: ≤ - 70°C

Handling and

recommendations: Lyophilized content of the vial should be reconstituted with 1 mL distilled water to its

initial concentration shortly before use. Material should be re-hydrated for 30 mins with gentle mixing prior processing. Once reconstituted, the product should be stored frozen in small aliquots that can be thawed individually on day of use. It is recommended to avoid frequent freeze-thaw cycles that may after the properties of the

product

Standard Laboratory Procedures should be followed when handling the material Safety note:

For in vitro use only

Date Head of the Laboratory



Name:

Alphainfluenzavirus, Influenza A virus, H7N1 subtype

Strain:

A/turkey/Italy/1067/99, Eurasian lineage

Pathotype:

LPAI

Matrix:

Allantoic fluid

Culture system:

SPF embryonated chicken eggs

No. passages:

3

Batch:

2/22

Manufacturing date:

03/22

Expiry date:

07/27

The product is stable under recommended storage and handling conditions

Format:

Lyophilized

Quantity:

≤ 1 g

Viability:

Inactivated

Inactivation:

Beta propiolactone treatment

Titer:

1:128 ± 1 log₂

Analytical method:

Haemagglutination (HA) test

Intended use:

Haemagglutination Inhibition (HI) test

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Storage:

Lyophilized: ≤ + 8°C; Reconstituted: ≤ - 70°C

Handling and

recommendations:

Lyophilized content of the vial should be reconstituted with 1 mL distilled water to its initial concentration shortly before use. Material should be re-hydrated for 30 mins with gentle mixing prior processing. Once reconstituted, the product should be stored frozen in small aliquots that can be thawed individually on day of use. It is recommended to avoid frequent freeze-thaw cycles that may alter the properties of the

product

Safety note:

Standard Laboratory Procedures should be followed when handling the material

For in vitro use only

Date

Head of the Laboratory



Name: Alphainfluenzavirus, Influenza A virus, H7N7 subtype

Strain: A/macaw/England/626/80, Eurasian lineage

Pathotype: LPAI

Matrix: Allantoic fluid

Culture system: SPF embryonated chicken eggs

No. passages: 3

Batch: 7/22
Manufacturing date: 12/22
Expiry date: 03/33

The product is stable under recommended storage and handling conditions

Format: Lyophilized

Quantity: $\leq 1 \text{ g}$

Viability: Inactivated

Inactivation: Beta propiolactone treatment

Titer: $1:128 \pm 1 \log_2$

Analytical method: Haemagglutination (HA) test

Identification method: Haemagglutination Inhibition (HI) test

Intended use: Haemagglutination Inhibition (HI) test

Storage: Lyophilized: ≤ + 8°C; Reconstituted: ≤ - 70°C

Handling and

recommendations: Lyophilized content of the vial should be reconstituted with 1 mL distilled water to its

initial concentration shortly before use. Material should be re-hydrated for 30 mins with gentle mixing prior processing. Once reconstituted, the product should be stored frozen in small aliquots that can be thawed individually on day of use. It is recommended to avoid frequent freeze-thaw cycles that may alter the properties of the

product

Safety note: Standard Laboratory Procedures should be followed when handling the material

For in vitro use only

Date Head of the Laboratory



Name:

Alphainfluenzavirus, Influenza A virus, H9N2 subtype

Strain:

A/mallard/ltaly/3817-34/05

Pathotype:

LPAI

Matrix:

Allantoic fluid

Culture system:

SPF embryonated chicken eggs

No. passages:

3

Batch:

2/21

Manufacturing date:

09/21

Expiry date:

02/27

The product is stable under recommended storage and handling conditions

Format:

Lyophilized

Quantity:

≤ 1 g

Viability:

Inactivated

Inactivation:

Beta propiolactone treatment

Titer:

1:256 ±1 log₂

Analytical method:

Haemagglutination (HA) test

Identification method: Haemagglutination Inhibition (HI) test

Intended use:

Haemagglutination Inhibition (HI) test

Storage:

Lyophilized: ≤ + 8°C; Reconstituted: ≤ - 70°C

Handling and

recommendations:

Lyophilized content of the vial should be reconstituted with 1 mL distilled water to its initial concentration shortly before use. Material should be re-hydrated for 30 mins with gentle mixing prior processing. Once reconstituted, the product should be stored frozen in small aliquots that can be thawed individually on day of use. It is recommended to avoid frequent freeze-thaw cycles that may alter the properties of the

product

Safety note:

Standard Laboratory Procedures should be followed when handling the material

Date

Head of the Laboratory



Name:

Orthoavulavirus javaense, APMV-1/dove/Italy/4400/2000

Strain:

APMV-1/dove/ltaly/4400/2000, genotype VI.1 (Dimitrov et al., 2019)

Pathotype:

Mesogenic

Matrix:

Allantoic fluid

Culture system:

SPF embryonated chicken eggs

No. passages:

Numero convenzionale (credo sia 3) se non si conosce il dato

Batch:

2/13

Manufacturing date:

02/13

Expiry date:

01/33

The product is stable under recommended storage and handling conditions

Format:

Lyophilized

Quantity:

≤ 1 g

Viability:

Inactivated

Inactivation:

Beta propiolactone treatment

Titer:

 $1:256 \pm 1 \log_2$

Analytical method:

Haemagglutination (HA) test

Identification method: Haemagglutination Inhibition (HI) test

Intended use:

Haemagglutination Inhibition (HI) test

Storage:

Lyophilized: ≤ + 8°C; Reconstituted: ≤ - 70°C

Handling and

recommendations:

Lyophilized content of the vial should be reconstituted with 1 mL distilled water to its initial concentration shortly before use. Material should be re-hydrated for 30 mins with gentle mixing prior processing. Once reconstituted, the product should be stored frozen in small aliquots that can be thawed individually on day of use. It is recommended to avoid frequent freeze-thaw cycles that may alter the properties of the product

Safety note:

Standard Laboratory Procedures should be followed when handling the material

For in vitro use only

Date

Head of the Laboratory



Name:

Polyclonal anti-Orthoavulavirus javaense serum

Immunogen:

Newcastle disease virus vaccine, Ulster 2C, genotype I.2 (Dimitrov et al., 2019),

Lentogenic (inactivated virus)

Source:

SPF chickens

Batch:

1/17

Manufacturing date:

01/17

Expiry date:

10/26

y date:

The product is stable under recommended storage and handling conditions

Format:

Lyophilized

Quantity:

≤ 1 g

Inactivation:

Untreated

Titer:

1:256 ±1 log₂

Analytical method:

Haemagglutination Inhibition (HI) test

Intended use:

Haemagglutination Inhibition (HI) test, Agar Gel Immunodiffusion (AGID), ELISA,

serum neutralisation test

Storage:

Lyophilized: ≤ + 8°C; Reconstituted: ≤ - 18°C

Handling and

recommendations:

Lyophilized content of the vial should be reconstituted with 1 mL distilled water to its initial concentration shortly before use. Material should be re-hydrated for 30 mins with gentle mixing prior processing. Once reconstituted, the product should be stored frozen in small aliquots that can be thawed individually on day of use. It is recommended to avoid frequent freeze-thaw cycles that may alter the properties of the

product

Safety note:

Standard Laboratory Procedures should be followed when handling the material

For in vitro use only

Date

Head of the Laboratory



Name: Polyclonal anti-Alphainfluenzavirus serum

Immunogen: A/turkey/Italy/7898/2014, H5N8 subtype, Eurasian lineage, clade 2.3.4.4c, HPAI

(inactivated virus)

Source: SPF chickens

Batch: 1/18
Manufacturing date: 10/18

Expiry date: 03/27

The product is stable under recommended storage and handling conditions

Format: Lyophilized

Quantity: ≤ 1 g
Inactivation: Untreated

Titer: $1:256 \pm 1 \log_2$

Analytical method: Haemagglutination Inhibition (HI) test

Intended use: Haemagglutination Inhibition (HI) test, Agar Gel Immunodiffusion (AGID), ELISA,

serum neutralisation test

Storage: Lyophilized: ≤ + 8°C; Reconstituted: ≤ - 18°C

Handling and

recommendations: Lyophilized content of the vial should be reconstituted with 1 mL distilled water to its

initial concentration shortly before use. Material should be re-hydrated for 30 mins with gentle mixing prior processing. Once reconstituted, the product should be stored frozen in small aliquots that can be thawed individually on day of use. It is recommended to avoid frequent freeze-thaw cycles that may alter the properties of the

product

Safety note: Standard Laboratory Procedures should be followed when handling the material

For in vitro use only

Date Head of the Laboratory



Name:

REFERENCE MATERIAL CERTIFICATE

Immunogen:	A/turkey/Italy/1067/99, H7N1 subtype, Eurasian lineage, LPAI (inactivated virus)
Source:	SPF chickens
Batch:	1/19
Manufacturing date:	08/19
Expiry date:	04/26 The product is stable under recommended storage and handling conditions
Format:	Lyophilized
Quantity:	≤ 1 g
Inactivation:	Untreated

Polyclonal anti-Alphainfluenzavirus serum

Titer: $1:512 \pm 1 \log_2$

Analytical method: Haemagglutination Inhibition (HI) test

Intended use: Haemagglutination Inhibition (HI) test, Agar Gel Immunodiffusion (AGID), ELISA,

serum neutralisation test

Storage: Lyophilized: ≤ + 8°C; Reconstituted: ≤ - 18°C

Handling and

recommendations: Lyophilized content of the vial should be reconstituted with 1 mL distilled water to its

initial concentration shortly before use. Material should be re-hydrated for 30 mins with gentle mixing prior processing. Once reconstituted, the product should be stored frozen in small aliquots that can be thawed individually on day of use. It is recommended to avoid frequent freeze-thaw cycles that may alter the properties of the

product

Safety note: Standard Laboratory Procedures should be followed when handling the material

For in vitro use only

Date Head of the Laboratory



Name:

Polyclonal anti-Alphainfluenzavirus serum

Immunogen:

A/mallard/Italy/3817-34/05, H9N2 subtype, LPAI (inactivated virus)

Source:

SPF chickens

Batch:

2/12

Manufacturing date:

04/12

Expiry date:

03/27

The product is stable under recommended storage and handling conditions

Format:

Lyophilized

Quantity:

≤ 1 g

Inactivation:

Untreated

Titer:

1:512± 1 log₂

Analytical method:

Haemagglutination Inhibition (HI) test

Intended use:

Haemagglutination Inhibition (HI) test, Agar Gel Immunodiffusion (AGID), ELISA,

serum neutralisation test

Storage:

Lyophilized: ≤ + 8°C; Reconstituted: ≤ - 18°C

Handling and

recommendations:

Lyophilized content of the vial should be reconstituted with 1 mL distilled water to its initial concentration shortly before use. Material should be re-hydrated for 30 mins with gentle mixing prior processing. Once reconstituted, the product should be stored frozen in small aliquots that can be thawed individually on day of use. It is recommended to avoid frequent freeze-thaw cycles that may alter the properties of the

product

Safety note:

Standard Laboratory Procedures should be followed when handling the material

For in vitro use only

Date

Head of the Laboratory



Name:	Chicken serum
Immunogen:	None

Source: SPF chickens

Batch: 5/19 Manufacturing date: 0719

Expiry date: 03/26

The product is stable under recommended storage and handling conditions

Format: Lyophilized Quantity: ≤1 q

Inactivation: Untreated

Titer: Undetectable

Analytical method: Haemagglutination Inhibition (HI) test

Intended use: Haemagglutination Inhibition (HI) test, Agar Gel Immunodiffusion (AGID), ELISA,

serum neutralisation test

Storage: Lyophilized: ≤ + 8°C; Reconstituted: ≤ - 18°C

Handling and

recommendations: Lyophilized content of the vial should be reconstituted with 1 mL distilled water to its

initial concentration shortly before use. Material should be re-hydrated for 30 mins with gentle mixing prior processing. Once reconstituted, the product should be stored frozen in small aliquots that can be thawed individually on day of use. It is recommended to avoid frequent freeze-thaw cycles that may alter the properties of the

product

Safety note: Standard Laboratory Procedures should be followed when handling the material

For in vitro use only

Date Head of the Laboratory