

**ANNEX I**

**SUMMARY OF PRODUCT CHARACTERISTICS**

## 1. NAME OF THE MEDICINAL PRODUCT

Flucelvax suspension for injection in pre-filled syringe  
Influenza vaccine (surface antigen, inactivated, prepared in cell cultures)

## 2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Influenza virus surface antigens (haemagglutinin and neuraminidase), inactivated, of the following strains\*:

A/Wisconsin/67/2022 (H1N1)pdm09-like strain (A/Georgia/12/2022 CVR-167) 15 micrograms HA\*\*

A/Darwin/6/2021 (H3N2)-like strain (A/Darwin/11/2021, wild type) 15 micrograms HA\*\*

B/Austria/1359417/2021-like strain (B/Singapore/WUH4618/2021, wild type) 15 micrograms HA\*\*

per 0.5 ml dose

.....

\* propagated in Madin Darby Canine Kidney (MDCK) cells

\*\* haemagglutinin

The vaccine complies with the World Health Organisation (WHO) recommendation (northern hemisphere) and EU recommendation for the XXXX/XXXX SEASON.

Flucelvax may contain traces of beta-propiolactone, cetyltrimethylammonium bromide, and polysorbate 80 (see section 4.3).

For the full list of excipients, see section 6.1.

## 3. PHARMACEUTICAL FORM

Suspension for injection (injection)  
Clear to slightly opalescent liquid.

## 4. CLINICAL PARTICULARS

### 4.1 Therapeutic indications

Prophylaxis of influenza in adults and children from 6 months of age.

Flucelvax should be used in accordance with official recommendations.

## 4.2 Posology and method of administration

### Posology

*Adults and children from 6 months of age*

| <u>Age group</u>         | <u>Dose</u>                          | <u>Schedule</u>                               |
|--------------------------|--------------------------------------|---|
| 6 months to < 9 years    | One or two <sup>a</sup> 0.5 mL doses | If 2 doses, administer at least 4 weeks apart |
| 9 years of age and older | One 0.5 mL dose                      | Not applicable                                |

<sup>a</sup> Children less than 9 years of age who have not been previously vaccinated against influenza, should receive a second dose.

*Children below 6 months of age*

The safety and efficacy of Flucelvax in children from birth to less than 6 months of age has not been established. No data are available.

### Method of administration

For intramuscular injection only.

The preferred site for injection is the deltoid muscle of the upper arm. Young children with insufficient deltoid mass should be vaccinated in the anterolateral aspect of the thigh.

The vaccine must not be injected intravenously, subcutaneously or intradermally and must not be mixed with other vaccines in the same syringe.

For instructions on the handling of the vaccine before administration, see section 6.6.

## 4.3 Contraindications

Hypersensitivity to the active substance, to any of the excipients listed in section 6.1, or to possible trace residues such as beta-propiolactone, cetyltrimethylammonium bromide, and polysorbate 80.

## 4.4 Special warnings and precautions for use

### Traceability

In order to improve the traceability of biological medicinal products, the name and the batch number of the administered product should be clearly recorded.

### Hypersensitivity and anaphylaxis

Appropriate medical treatment and supervision should always be readily available in case of a rare anaphylactic event following the administration of the vaccine.

### Concurrent illness

Vaccination should be postponed in patients with acute febrile illness until the fever is resolved.

### Thrombocytopenia and coagulation disorders

As with all injectable vaccines, Flucelvax must be administered with caution to individuals with thrombocytopenia or a bleeding disorder since bleeding may occur following an intramuscular administration.

### Anxiety-related reactions

Syncope (fainting) can occur following, or even before, any vaccination as a psychogenic response to the needle injection. This can be accompanied by several neurological signs such as transient visual disturbance, paraesthesia and tonic-clonic limb movements during recovery. It is important that procedures are in place to avoid injury from faints.

### Immunocompromised patients

Antibody response in patients with endogenous or iatrogenic immunosuppression may be insufficient to prevent influenza.

### Limitations of vaccine effectiveness

A protective immune response may not be elicited in all vaccine recipients.

### Excipients with known effect

#### *Sodium*

This vaccine contains less than 1 mmol sodium (23 mg) per dose, that is to say essentially 'sodium-free'.

#### *Potassium*

This vaccine contains potassium, less than 1 mmol (39 mg) per dose, that is to say essentially 'potassium-free'.

## **4.5 Interaction with other medicinal products and other forms of interaction**

Based on clinical experience Flucelvax can be given at the same time as other vaccines.

If Flucelvax is to be used at the same time as another vaccine, it should be administered at separate injection sites and preferably on different limbs. It should be noted that the adverse reactions may be intensified by any co-administration.

## **4.6 Fertility, pregnancy and lactation**

Data derived from cell-based quadrivalent influenza vaccine (Flucelvax Tetra) are relevant to the trivalent Flucelvax vaccine because both vaccines are manufactured using the same process and have overlapping compositions.

### Pregnancy

Inactivated influenza vaccines, such as Flucelvax, can be given in any stage of pregnancy. Larger safety datasets are available on vaccine use during the second or third trimester, compared with the first trimester, however data from worldwide use of influenza vaccines do not indicate any adverse foetal and maternal outcomes attributable to the vaccine.

A prospective Pregnancy Exposure Registry was conducted in the United States (US) and data were collected from 665 women vaccinated with cell-based quadrivalent influenza vaccine during 3 Northern Hemisphere influenza seasons (2017-18 to 2019-20), of whom 28% were exposed during

their first trimester. Based on pregnancy outcomes and predefined infant safety outcomes, there was no evidence of adverse foetal, newborn or pregnancy outcomes attributable to the vaccine during any stage of pregnancy.

Animal studies do not indicate reproductive toxicity (see section 5.3).

#### Breast-feeding

It is unknown whether Flucelvax is excreted in human milk. No effects on breastfed newborn/infant are anticipated. Flucelvax may be given during lactation.

#### Fertility

No human fertility data are available. Animal data have not shown effects on female fertility. Male fertility has not been assessed in animals.

### **4.7 Effects on ability to drive and use machines**

Flucelvax has no or negligible influence on the ability to drive and use machines.

### **4.8 Undesirable effects**

Data for cell-based quadrivalent influenza vaccine are relevant to Flucelvax because both vaccines are manufactured using the same process and have overlapping compositions.

#### Summary of the safety profile

Safety in adults 18 years and older was evaluated in a randomised, controlled study (V130\_01), in which 1 334 subjects received cell-based quadrivalent influenza vaccine or one of two formulations of cell-based trivalent influenza vaccine (N=1 346). (see section 5.1) Similar rates of solicited local and systemic adverse reactions were reported in subjects who received cell-based quadrivalent influenza vaccine and cell-based trivalent influenza vaccine comparator in this clinical study.

The most commonly reported ( $\geq 10\%$ ) reactions in subjects who received cell-based quadrivalent influenza vaccine or the trivalent comparators were pain at the injection site (34%), headache (14%), fatigue (16%), erythema (13%), myalgia (12%), and induration (10%).

The incidence of some adverse reactions were considerably lower among subjects  $\geq 65$  years of age when compared to subjects 18 to  $< 65$  years of age (see table below).

#### Tabulated list of adverse reactions

Adverse reactions reported are listed according to the following frequency categories: Very common ( $\geq 1/10$ ); Common ( $\geq 1/100$  to  $< 1/10$ ); Uncommon ( $\geq 1/1\ 000$  to  $< 1/100$ ), not known (cannot be estimated from the available data).

**Table 1: Adverse reactions reported following vaccination in adults 18 years and older in clinical studies and post-marketing surveillance.**

| <b>MedDRA system organ class</b>                            | <b>Very common<br/>(≥1/10)</b>                                  | <b>Common<br/>(≥1/100 to &lt;1/10)</b>   | <b>Uncommon<br/>(≥1/1 000 to &lt;1/100)</b> | <b>Frequency not known<sup>3</sup></b>   |
|---|---|--|---|--|
| <b>Immune system disorders</b>                              |   |  |   | Allergic or immediate hypersensitivity reactions, including anaphylactic shock |
| <b>Metabolism and nutrition disorders</b>                   |   | Loss of appetite                         |   |  |
| <b>Nervous system disorders</b>                             | Headache <sup>1</sup>   |  |   | Paraesthesia, Guillain-Barre Syndrome  |
| <b>Gastrointestinal disorders</b>                           |   | Nausea, Diarrhoea, Vomiting <sup>2</sup> |   |  |
| <b>Skin and subcutaneous tissue disorders</b>               |   |  |   | Generalised skin reactions including pruritus, urticaria or non-specific rash  |
| <b>Musculoskeletal and connective tissue disorders</b>      | Myalgia <sup>1</sup>  | Arthralgia                               |   |  |
| <b>General disorders and administration site conditions</b> | Injection site pain, Fatigue, Erythema, Induration <sup>1</sup> | Ecchymosis, Chills                       | Fever (≥ 38°C)                              | Extensive swelling of injected limb  |

<sup>1</sup> Reported as common in the elderly population 65 years of age and older

<sup>2</sup> Reported as uncommon in the elderly population 65 years of age and older

<sup>3</sup> Adverse reactions reported from post-marketing surveillance

#### Paediatric population (6 months to less than 18 years of age)

Safety in children 6 months to less than 18 years of age has been evaluated in three clinical studies, V130\_03, V130\_12 and V130\_14 (N=7 443). In Study V130\_03, children 4 to less than 18 years of age received a cell-based quadrivalent influenza vaccine (N=1 159) or one of two formulations of cell-based trivalent comparators (N=1 173) (see section 5.1). In Study V130\_12 children 2 to less than 18 years of age received a cell-based quadrivalent influenza vaccine (N=2 255) or a non-influenza comparator vaccine. In study V130\_14, children 6 months to less than 4 years received a cell-based quadrivalent influenza vaccine or a non-influenza comparator vaccine (N=2 856). In these studies, children 6 months to less than 9 years of age received one or two doses (separated by 28 days) of cell-based quadrivalent influenza vaccine based on determination of the subject's prior influenza vaccination history.

The most common local and systemic adverse reactions reported for cell-based quadrivalent influenza vaccine or the trivalent comparator in any of the three studies are described below by paediatric sub-group.

The most common ( $\geq 10\%$ ) local and systemic adverse reactions after any vaccination in children 6 to less than 18 years of age were pain at the injection site (61%), injection site erythema (25%), injection site induration (19%), fatigue (18%), headache (22%) myalgia (16%), injection site ecchymosis (11%) and loss of appetite (11%).

The most common ( $\geq 10\%$ ) local and systemic adverse reactions after any vaccination in children 6 months to less than 6 years of age were tenderness at the injection site (54%), injection site erythema (23%), sleepiness (21%), irritability (21%), injection site induration (15%), change in eating habits (16%), diarrhoea (13%), injection site ecchymosis (11%) and fever (11%).

Similar rates of solicited local and systemic adverse reactions were reported in subjects who received cell-based quadrivalent influenza vaccine and cell-based trivalent influenza vaccine comparator (Study V130\_03)..

Compared to adults 18 years of age and older, paediatric subjects generally reported higher rates of local and systemic adverse reactions.

In children who received a second dose of cell-based quadrivalent influenza vaccine or the trivalent comparator the incidence of adverse reactions following the second dose of vaccine was similar or slightly lower to that observed with the first dose.

The highest frequency of adverse reactions in children 6 months to less and 18 years of age in these clinical studies are described in Table 2 below.

**Table 2: Solicited adverse reactions reported in clinical studies in children 6 months to < 18 years of age**

| MedDRA system organ class                                   | Very Common  | Common   |
|---|--|--|
| <b>6 months to &lt; 6 years<sup>1</sup></b>                 |  |  |
| <b>Gastrointestinal disorders</b>                           | Diarrhoea  | Vomiting   |
| <b>General disorders and administration site conditions</b> | Injection site tenderness, injection site erythema, injection site induration<br>injection site ecchymosis, sleepiness<br>irritability, change in eating habits,<br>fever ( $\geq 38^\circ\text{C}$ ) <sup>2</sup> | Chills/Shivering                                       |
| <b>6 to &lt; 18 years<sup>3</sup></b>                       |  |  |
| <b>Metabolism and nutrition disorders</b>                   | Loss of appetite   |  |
| <b>Nervous system disorders</b>                             | Headache   |  |
| <b>Gastrointestinal disorders</b>                           |  | Nausea   |
| <b>Musculoskeletal and connective tissue disorders</b>      | Myalgia <sup>4</sup>   | Arthralgia   |
| <b>General disorders and administration site conditions</b> | Injection site pain, injection site erythema, injection site induration<br>injection site ecchymosis, fatigue  | Chills/Shivering,<br>fever ( $\geq 38^\circ\text{C}$ ) |

<sup>1</sup> Frequency categories based on the highest rates from the overlapping age groups in the following 3 studies: V130\_14 (6 months to < 4 years); V130\_12 (2 to < 6 years); V130\_03 (4 to < 6 years)

<sup>2</sup> Fever reported as common in V130\_12 and V130\_03 and very common in V130\_14

<sup>3</sup> Frequency categories based on the highest rates from the following 2 studies: V130\_03 (6 to < 18 years) and V130\_12 (6 to < 18 years)

<sup>4</sup> Myalgia reported as common in V130\_12 and very common in V130\_03

## Reporting of suspected adverse reactions

Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions via the national reporting system listed in [Appendix V](#).

### **4.9 Overdose**

There are no data for overdose with Flucelvax. In the event of overdose, monitoring of vital functions and possible symptomatic treatment is recommended.

## **5. PHARMACOLOGICAL PROPERTIES**

### **5.1 Pharmacodynamic properties**

Pharmacotherapeutic group: Vaccines, influenza vaccine, ATC code: J07BB02

#### Mechanism of action

Flucelvax provides active immunisation against the influenza virus strains contained in the vaccine. Flucelvax induces humoral antibodies against the haemagglutinins. These antibodies neutralise influenza viruses.

Specific levels of haemagglutination inhibition (HI) antibody titres post-vaccination with inactivated influenza vaccine have not been correlated with protection from influenza virus. In some human studies, antibody titres of 1:40 or greater have been associated with protection from influenza illness in up to 50% of subjects.

Antibody against one influenza virus type or subtype confers limited or no protection against another. Furthermore, antibody to one antigenic variant of influenza virus might not protect against a new antigenic variant of the same type or subtype.

Annual revaccination with current influenza vaccines is recommended because immunity declines during the year after vaccination and circulating strains of influenza virus may change from year to year.

#### Pharmacodynamic effects

##### *Clinical efficacy of Flucelvax against culture-confirmed influenza in adults*

A multinational, randomised, observer-blinded, placebo-controlled study (V58P13) was performed to assess clinical efficacy and safety of Flucelvax during the 2007-2008 influenza season in adults aged 18 to less than 50 years. A total of 11 404 subjects were enrolled to receive Flucelvax (N = 3 828), egg-based trivalent influenza vaccine (N = 3 676) or placebo (N = 3 900) in a 1:1:1 ratio.

Flucelvax efficacy was defined as the prevention of culture-confirmed symptomatic influenza illness caused by viruses antigenically matched to those in the vaccine compared to placebo. Influenza cases were identified by active and passive surveillance of influenza-like illness (ILI). ILI was defined according to Centers for Disease Control and Prevention (CDC) case definition, i.e., a fever (oral temperature  $\geq 100.0^{\circ}\text{F}$  /  $38^{\circ}\text{C}$ ) and cough or sore throat. After an episode of ILI, nose and throat swab samples were collected for analysis. Vaccine efficacies against vaccine-matched influenza viral strains, against all influenza viral strains, and against individual influenza viral subtypes were calculated (Table 3).



**Table 3: Comparative efficacy of Flucelvax versus placebo against culture-confirmed influenza by influenza viral subtype (V58P13)**

|  |                 | Flucelvax<br>(N = 3 776) |   | Placebo<br>(N = 3 843) |   | Vaccine efficacy * |   |
|--|-----------------|--------------------------|---|------------------------|---|--------------------|---|
|  |                 | Attack rate<br>(%)       | Number of<br>subjects with<br>influenza | Attack rate<br>(%)     | Number of<br>subjects with<br>influenza | %                  | Lower limit<br>of one-sided<br>97.5% CI |
| <b>Antigenically matched strains</b>   |                 |                          |   |                        |   |                    |   |
| <b>Overall</b>                         |                 | <b>0.19</b>              | <b>7</b>                                | <b>1.14</b>            | <b>44</b>                               | <b>83.8</b>        | <b>61.0</b>                             |
| <b>Individual<br/>strains</b>          | <b>A/H3N2**</b> | 0.05                     | 2                                       | 0                      | 0                                       | --                 | --                                      |
|  | <b>A/H1N1</b>   | 0.13                     | 5                                       | 1.12                   | 43                                      | 88.2               | 67.4                                    |
|  | <b>B**</b>      | 0                        | 0                                       | 0.03                   | 1                                       | --                 | --                                      |
| <b>All culture-confirmed influenza</b> |                 |                          |   |                        |   |                    |   |
| <b>Overall</b>                         |                 | <b>1.11</b>              | <b>42</b>                               | <b>3.64</b>            | <b>140</b>                              | <b>69.5</b>        | <b>55.0</b>                             |
| <b>Individual<br/>strains</b>          | <b>A/H3N2</b>   | 0.16                     | 6                                       | 0.65                   | 25                                      | 75.6               | 35.1                                    |
|  | <b>A/H1N1</b>   | 0.16                     | 6                                       | 1.48                   | 57                                      | 89.3               | 73.0                                    |
|  | <b>B</b>        | 0.79                     | 30                                      | 1.59                   | 61                                      | 49.9               | 18.2                                    |

\* Simultaneous one-sided 97.5% confidence intervals for the vaccine efficacy of each influenza vaccine relative to placebo based on the Sidak-corrected score confidence intervals for the two relative risks.  
Vaccine Efficacy = (1 - Relative Risk) x 100%;

\*\* There were too few cases of influenza due to vaccine-matched influenza A/H3N2 or B to adequately assess vaccine efficacy.

Data for cell-based quadrivalent influenza vaccine are relevant to Flucelvax because both vaccines are manufactured using the same process and have overlapping compositions

#### *Immunogenicity in Adults 18 years of age and older*

Immunogenicity was evaluated in adults 18 years of age and older in a randomised, doubleblind, controlled study (V130\_01). In this study, subjects received cell-based quadrivalent influenza vaccine (N = 1 334) or one of the two formulations of comparator cell-based trivalent influenza vaccine with either the same strain composition as Flucelvax, TIV1c (N=677), or an alternate B strain, TIV2c (N = 669). The immune response to each of the vaccine antigens was assessed, 21 days after vaccination.

The immunogenicity endpoints were geometric mean antibody titres (GMTs) of haemagglutination inhibition (HI) antibodies response and percentage of subjects who achieved seroconversions, defined as a pre-vaccination HI titre of <1:10 with a post vaccination titre ≥1:40 or with a pre-vaccination HI titre of ≥10 and a minimum 4-fold increase in serum HI antibody titre.

Immunogenicity data are summarised in Table 4.

**Table 4: GMTs and seroconversion rates (with 95% CI) in adults 18 years of age and above – per protocol analysis set (V130\_01)**

|               |  | Cell-based quadrivalent<br>influenza vaccine<br>N = 1250 | TIV1c/TIV2c<br>N = 635/N = 639 |
|---------------|--|--|--------------------------------|
| <b>A/H1N1</b> | GMT<br>(95% CI)                              | 302.8<br>(281.8-325.5)                                   | 298.9<br>(270.3-330.5)         |
|               | Seroconversion Rate <sup>a</sup><br>(95% CI) | 49.2%<br>(46.4-52.0)                                     | 48.7%<br>(44.7-52.6)           |
| <b>A/H3N2</b> |  | 372.3<br>(349.2-396.9)                                   | 378.4<br>(345.1-414.8)         |

|           |  |                        |                        |
|-----------|--|------------------------|------------------------|
|           | Seroconversion Rate <sup>a</sup><br>(95% CI) | 38.3%<br>(35.6-41.1)   | 35.6%<br>(31.9-39.5)   |
| <b>B1</b> | GMT<br>(95% CI)                              | 133.2<br>(125.3-141.7) | 115.6<br>(106.4-125.6) |
|           | Seroconversion Rate <sup>a</sup><br>(95% CI) | 36.6%<br>(33.9-39.3)   | 34.8%<br>(31.1-38.7)   |
| <b>B2</b> | GMT<br>(95% CI)                              | 177.2<br>(167.6-187.5) | 164.0<br>(151.4-177.7) |
|           | Seroconversion Rate <sup>a</sup><br>(95% CI) | 39.8%<br>(37.0-42.5)   | 35.4%<br>(31.7-39.2)   |

Abbreviations: GMT = geometric mean titre; CI = confidence interval.

<sup>b</sup> Seroconversion rate = percentage of subjects with either a pre-vaccination HI titre <1:10 and post-vaccination HI titre ≥1:40 or with a pre-vaccination HI titre ≥1:10 and a minimum 4-fold increase in post-vaccination HI antibody titre.

### Paediatric population

#### *Clinical efficacy of cell-based quadrivalent influenza vaccine in the paediatric population 6 months to less than 18 years of age*

Absolute efficacy of cell-based quadrivalent influenza vaccine was evaluated in children 2 to less than 18 years of age in Study V130\_12, and in children 6 to less than 48 months, in Study V130\_14. Study V130\_12 was a multinational, randomised, non-influenza vaccine comparator-controlled efficacy study conducted in 8 countries over 3 influenza seasons, in which 4 514 subjects were enrolled to received 0.5 ml of cell-based quadrivalent influenza vaccine or a non-influenza comparator vaccine (meningococcal ACYW-135 conjugate) in a 1:1 ratio. Based on influenza vaccination history, participants received one or two doses (28 days apart) of the study vaccine.

Cell-based quadrivalent influenza vaccine efficacy was assessed by the prevention of confirmed influenza illness caused by any influenza Type A or B strain. Influenza cases were identified by active surveillance of influenza-like illness (ILI) and confirmed by viral culture and/or real-time polymerase chain reaction (RT-PCR). An ILI episode was defined as a fever body temperature ≥ 37.8°C) along with at least one of the following: cough, sore throat, nasal congestion, or rhinorrhoea. Vaccine efficacy against laboratory confirmed influenza was calculated (Table 5).

**Table 5: Number of subjects with first-occurrence RT-PCR confirmed or culture confirmed influenza and absolute vaccine efficacy (95% CI), in subjects 2 to less than 18 years of age– FAS efficacy<sup>1</sup> (Study V130\_12)**

|   | Number of subjects per protocol <sup>1</sup> | Number of cases of influenza | Attack rate (%) | Vaccine efficacy (VE) |              |
|---|--|------------------------------|-----------------|-----------------------|--------------|
|   |  |                              |                 | %                     | 95% CI of VE |
| RT-PCR or culture confirmed influenza             |  |                              |                 |                       |              |
| Cell-based quadrivalent influenza vaccine         | 2257   | 175                          | 7.8             | 54.63                 | 45.67, 62.12 |
| Non-Influenza comparator                          | 2252   | 364                          | 16.2            | -                     | -            |
| Culture confirmed influenza                       |  |                              |                 |                       |              |
| Cell-based quadrivalent influenza vaccine         | 2257   | 115                          | 5.1             | 60.81                 | 51.30, 68.46 |
| Non-Influenza comparator                          | 2252   | 279                          | 12.4            | -                     | -            |
| Antigenically matched culture-confirmed influenza |  |                              |                 |                       |              |
| Cell-based quadrivalent influenza vaccine         | 2257   | 90                           | 4.0             | 63.64                 | 53.64, 71.48 |
| Non-Influenza Comparator                          | 2252   | 236                          | 10.5            | -                     | -            |

<sup>1</sup>Number of subjects in the Full-Analysis Set (FAS)– Efficacy, which included all subjects randomised, received a study vaccination and provided efficacy data.

Efficacy in children 6 months to less than 4 years was evaluated in Study V130\_14. This was a multinational, randomised, observer-blind, non-influenza vaccine comparator-controlled efficacy study conducted in 15 countries over 5 influenza seasons, in which 5 697 subjects received either 0.5 ml of cell-based quadrivalent influenza vaccine or a non-influenza comparator in a 1:1 ratio. Based on influenza vaccination history, participants received one or two doses (28 days apart) of the study vaccine.

Cell-based quadrivalent influenza vaccine efficacy was assessed by the prevention of confirmed influenza illness caused by any influenza Type A or B strain. Influenza cases were identified by active surveillance of influenza-like illness (ILI) and confirmed by real-time polymerase chain reaction (RT-PCR) and viral culture. An ILI episode was defined as a fever body temperature  $\geq 37.8^{\circ}\text{C}$  with at least one of the following on the same day: cough, sore throat, nasal congestion, rhinorrhoea, earache or ear discharge. Vaccine efficacy against laboratory confirmed influenza was calculated (Table 6).

**Table 6: Number of subjects with first-occurrence RT-PCR confirmed influenza, culture-confirmed any strain and antigenically matched influenza and absolute vaccine efficacy, in subjects 6 months to less than 4 years of age – FAS efficacy<sup>1</sup> (Study V130\_14)**

|  | Number of subjects per protocol | Number of cases of influenza | Attack rate (%) | Vaccine efficacy (VE) |                                   |
|--|---------------------------------|------------------------------|-----------------|-----------------------|-----------------------------------|
|  |                                 |                              |                 | %                     | Lower Limit of Two Sided CI of VE |
| RT-PCR confirmed influenza <sup>2,3</sup>                      |                                 |                              |                 |                       |                                   |
| Cell-based quadrivalent influenza vaccine                      | 2856                            | 104                          | 3.64            | 41.26                 | 21.55 <sup>4</sup>                |
| Non-Influenza comparator                                       | 2835                            | 173                          | 6.10            | -                     | -                                 |
| Culture-confirmed influenza <sup>5</sup>                       |                                 |                              |                 |                       |                                   |
| Cell-based quadrivalent influenza vaccine                      | 2856                            | 61                           | 2.14            | 50.67                 | 32.83                             |
| Non-Influenza comparator                                       | 2835                            | 121                          | 4.27            | -                     | -                                 |
| Antigenically matched culture-confirmed influenza <sup>2</sup> |                                 |                              |                 |                       |                                   |
| Cell-based quadrivalent influenza vaccine                      | 2856                            | 44                           | 1.54            | 46.90                 | 19.19 <sup>6</sup>                |
| Non-Influenza Comparator                                       | 2835                            | 82                           | 2.89            | -                     | -                                 |

<sup>1</sup> Number of subjects in the Full-Analysis Set (FAS) – Efficacy, which included all subjects randomised, received a study vaccination and provided efficacy data

<sup>2</sup> Primary endpoint of study

<sup>3</sup> The number of subjects with first occurrence of moderate-to-severe RT-PCR confirmed influenza was 9 in the comparator group and 0 in the cell-based quadrivalent influenza vaccine group.

<sup>4</sup> The pre-defined success criterion was defined as the lower limit of the two-sided 97.98% CI of absolute vaccine efficacy was above 0%

<sup>5</sup> Culture confirmed influenza due to any influenza Type A and/or Type B virus regardless of antigenic match to the influenza strains in the vaccine (two-sided 95% CI)

<sup>6</sup> The pre-defined success criterion was defined as the lower limit of the two-sided 97.5% CI of absolute vaccine efficacy was above 0%

### *Immunogenicity in Children and Adolescents 4 to less than 18 Years of Age*

Immunogenicity of cell-based quadrivalent influenza vaccine was evaluated in children 4 to less than 18 years of age as part of a randomised, double-blind, controlled study (V130\_03). In this study, subjects received cell-based quadrivalent influenza vaccine (N = 1 159) or one of the two formulations of comparator cell-based trivalent influenza vaccine with either the same strain composition as Flucelvax, TIV1c (N = 593), or an alternate B strain, TIV2c (N = 580). The immune response to each of the vaccine antigens was assessed 21 days after vaccination.

The immunogenicity endpoints were GMTs of HI antibodies response and percentage of subjects who achieved seroconversions (seroconversion rate), defined as a pre-vaccination HI titre of <1:10 with a post-vaccination titre ≥1:40 or with a pre-vaccination HI titre ≥ 1:10 and a minimum 4-fold increase in serum HI antibody titre.

The immunogenicity data in subjects 4 to less than 18 years of age are summarised in Table 7.

**Table 7: GMTs and seroconversion rates (with 95% CI) in subjects 4 to <18 years of age, 3 weeks after vaccination with cell-based quadrivalent influenza vaccine or TIV1c/TIV2c - Per Protocol Set (V130\_03)**

|        |                                  | Cell-based quadrivalent influenza vaccine | TIV1c/TIV2c <sup>a</sup> |
|--------|----------------------------------|---|--------------------------|
| A/H1N1 |                                  | N = 1014                                  | N = 510                  |
|        | GMT (95% CI)                     | 1090 (1027-1157)                          | 1125 (1034-1224)         |
|        | Seroconversion rate <sup>b</sup> | 72% (69-75)                               | 75% (70-78)              |
| A/H3N2 |                                  | N = 1013                                  | N = 510                  |
|        | GMT (95% CI)                     | 738 (703-774)                             | 776 (725-831)            |
|        | Seroconversion rate <sup>b</sup> | 47% (44-50)                               | 51% (46-55)              |
| B1     |                                  | N = 1013                                  | N = 510                  |
|        | GMT (95% CI)                     | 155 (146-165)                             | 154 (141-168)            |
|        | Seroconversion rate <sup>b</sup> | 66% (63-69)                               | 66% (62-70)              |
| B2     |                                  | N = 1009                                  | N = 501                  |
|        | GMT (95% CI)                     | 185 (171-200)                             | 185 (166-207)            |
|        | Seroconversion rate <sup>b</sup> | 73% (70-76)                               | 71% (67-75)              |

<sup>a</sup> For H1N1, H3N2 and B1 influenza strains TIV1c data are presented, whereas for B2 influenza strain TIV2c data are presented.

<sup>b</sup> Seroconversion rate = percentage of subjects with either a pre-vaccination HI titre <1:10 and post-vaccination HI titre ≥1:40 or with a pre-vaccination HI titre ≥1:10 and a minimum 4-fold increase in post-vaccination HI antibody titre.

**Bold-** CHMP immunogenicity criteria met. The percentage of subjects with seroconversion or significant increase in HI antibody titre is >40%, the percentage of subjects achieving an HI titre ≥1:40 is >70%.

## 5.2 Pharmacokinetic properties

Not applicable.

## 5.3 Preclinical safety data

Non-clinical data reveal no special hazard for humans based on conventional studies of repeated dose toxicity and toxicity to reproduction and development.

## 6. PHARMACEUTICAL PARTICULARS

### 6.1 List of excipients

Sodium chloride  
Potassium chloride  
Magnesium chloride hexahydrate  
Disodium phosphate dihydrate  
Potassium dihydrogen phosphate  
Water for injections

### 6.2 Incompatibilities

In the absence of compatibility studies, this medicinal product must not be mixed with other medicinal products.

### 6.3 Shelf life

1 year

#### **6.4 Special precautions for storage**

Store in a refrigerator (2°C – 8°C).

Do not freeze.

Keep the pre-filled syringe in the outer carton in order to protect from light.

#### **6.5 Nature and contents of container**

0.5 ml suspension in pre-filled syringes (type I glass), with a plunger stopper (bromobutyl rubber), with or without needle.

Pack of 1 pre-filled syringe, with or without needle

Pack of 10 pre-filled syringes, with or without needles.

Not all pack sizes may be marketed.

#### **6.6 Special precautions for disposal and other handling**

The vaccine comes ready to use. Shake before use. After shaking, the normal appearance of the vaccine is a clear to slightly opalescent suspension.

The vaccine should be visually inspected for particulate matter and discoloration prior to administration. In the event of any foreign particulate matter and/or variation of physical aspect is observed, do not administer the vaccine.

Any unused medicinal product or waste material should be disposed of in accordance with local requirements.

### **7. MARKETING AUTHORISATION HOLDER**

Seqirus Netherlands B.V.  
Paasheuvelweg 28  
1105BJ Amsterdam  
Netherlands

### **8. MARKETING AUTHORISATION NUMBER(S)**

EU/1/24/1879/001  
EU/1/24/1879/002  
EU/1/24/1879/003  
EU/1/24/1879/004

### **9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION**

Date of first authorisation: 15 November 2024

### **10. DATE OF REVISION OF THE TEXT**

Detailed information on this medicinal product is available on the website of the European Medicines Agency <http://www.ema.europa.eu>.

## **ANNEX II**

- A. MANUFACTURER(S) OF THE BIOLOGICAL ACTIVE SUBSTANCE(S)  
AND MANUFACTURER(S) RESPONSIBLE FOR BATCH RELEASE**
- B. CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE**
- C. OTHER CONDITIONS AND REQUIREMENTS OF THE MARKETING  
AUTHORISATION**
- D. CONDITIONS OR RESTRICTIONS WITH REGARD TO THE SAFE AND  
EFFECTIVE USE OF THE MEDICINAL PRODUCT**



**A. MANUFACTURER(S) OF THE BIOLOGICAL ACTIVE SUBSTANCE(S) AND MANUFACTURER(S) RESPONSIBLE FOR BATCH RELEASE**

Name and address of the manufacturer(s) of the biological active substance(s)

Seqirus Inc.  
475 Green Oaks Parkway  
Holly Springs  
NC 27540  
United States

Name and address of the manufacturer(s) responsible for batch release

Seqirus Netherlands B.V.  
Paasheuvelweg 28  
1105BJ Amsterdam  
Netherlands

**B. CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE**

Medicinal product subject to medical prescription.

- **Official batch release**

In accordance with Article 114 of Directive 2001/83/EC, the official batch release will be undertaken by a state laboratory or a laboratory designated for that purpose.

**C. OTHER CONDITIONS AND REQUIREMENTS OF THE MARKETING AUTHORISATION**

- **Periodic safety update reports (PSURs)**

The requirements for submission of PSURs for this medicinal product are set out in the list of Union reference dates (EURD list) provided for under Article 107c(7) of Directive 2001/83/EC and any subsequent updates published on the European medicines web-portal.

**D. CONDITIONS OR RESTRICTIONS WITH REGARD TO THE SAFE AND EFFECTIVE USE OF THE MEDICINAL PRODUCT**

- **Risk Management Plan (RMP)**

The marketing authorisation holder (MAH) shall perform the required pharmacovigilance activities and interventions detailed in the agreed RMP presented in Module 1.8.2 of the marketing authorisation and any agreed subsequent updates of the RMP.

An updated RMP should be submitted:

- At the request of the European Medicines Agency;
- Whenever the risk management system is modified, especially as the result of new information being received that may lead to a significant change to the benefit/risk profile or as the result of an important (pharmacovigilance or risk minimisation) milestone being reached.

**ANNEX III**  
**LABELLING AND PACKAGE LEAFLET**

## **A. LABELLING**

## **PARTICULARS TO APPEAR ON THE OUTER PACKAGING**

### **OUTER CARTON**

#### **1. NAME OF THE MEDICINAL PRODUCT**

Flucelvax suspension for injection in pre-filled syringe  
Influenza vaccine (surface antigen, inactivated, prepared in cell cultures)

#### **2. STATEMENT OF ACTIVE SUBSTANCE(S)**

XXXX/XXXX SEASON

Influenza virus surface antigens (haemagglutinin and neuraminidase), inactivated, of the following strains\*:

A/Wisconsin/67/2022 (H1N1)pdm09-like strain 15 micrograms HA\*\*

A/Darwin/6/2021 (H3N2)-like strain 15 micrograms HA\*\*

B/Austria/1359417/2021-like strain 15 micrograms HA\*\*

per 0.5 ml dose

.....  
\* propagated in Madin Darby Canine Kidney (MDCK) cells  
\*\* haemagglutinin

#### **3. LIST OF EXCIPIENTS**

Sodium chloride, potassium chloride, magnesium chloride hexahydrate, disodium phosphate dihydrate, potassium dihydrogen phosphate and water for injections.

#### **4. PHARMACEUTICAL FORM AND CONTENTS**

Suspension for injection

10 pre-filled syringes (0.5 ml) without needle

1 pre-filled syringe (0.5 ml) with needle

10 pre-filled syringes (0.5 ml) with needle

1 pre-filled syringe (0.5 ml) without needle

#### **5. METHOD AND ROUTE(S) OF ADMINISTRATION**

Intramuscular use.

Read the package leaflet before use.  
Shake before use.

|  |
|--|
| <b>6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN</b> |
|--|

Keep out of the sight and reach of children.

|  |
|--|
| <b>7. OTHER SPECIAL WARNING(S), IF NECESSARY</b> |
|--|

|                       |
|-----------------------|
| <b>8. EXPIRY DATE</b> |
|-----------------------|

EXP

|                                      |
|--------------------------------------|
| <b>9. SPECIAL STORAGE CONDITIONS</b> |
|--------------------------------------|

Store in a refrigerator.

Do not freeze.

Keep the pre-filled syringe in the outer carton in order to protect from light.

|  |
|--|
| <b>10. SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE</b> |
|--|

|   |
|---|
| <b>11. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER</b> |
|---|

Seqirus Netherlands B.V.  
Paasheuvelweg 28  
1105BJ Amsterdam  
Netherlands

|  |
|--|
| <b>12. MARKETING AUTHORISATION NUMBER(S)</b> |
|--|

EU/1/24/1879/001  
EU/1/24/1879/002  
EU/1/24/1879/003  
EU/1/24/1879/004

|                         |
|-------------------------|
| <b>13. BATCH NUMBER</b> |
|-------------------------|

Lot:

|  |
|--|
| <b>14. GENERAL CLASSIFICATION FOR SUPPLY</b> |
|--|

|                                |
|--------------------------------|
| <b>15. INSTRUCTIONS ON USE</b> |
|--------------------------------|

|                                   |
|-----------------------------------|
| <b>16. INFORMATION IN BRAILLE</b> |
|-----------------------------------|

Justification for not including Braille accepted.

|   |
|---|
| <b>17. UNIQUE IDENTIFIER – 2D BARCODE</b> |
|---|

2D barcode carrying the unique identifier included.

|  |
|--|
| <b>18. UNIQUE IDENTIFIER - HUMAN READABLE DATA</b> |
|--|

PC  
SN  
NN

|   |
|---|
| <b>MINIMUM PARTICULARS TO APPEAR ON SMALL IMMEDIATE PACKAGING UNITS</b> |
|---|

|                                 |
|---------------------------------|
| <b>Pre-filled syringe label</b> |
|---------------------------------|

|  |
|--|
| <b>1. NAME OF THE MEDICINAL PRODUCT AND ROUTE(S) OF ADMINISTRATION</b> |
|--|

Flucelvax injection  
Influenza vaccine  
XXXX/XXXX SEASON

IM

|                                    |
|------------------------------------|
| <b>2. METHOD OF ADMINISTRATION</b> |
|------------------------------------|

Intramuscular use

|                       |
|-----------------------|
| <b>3. EXPIRY DATE</b> |
|-----------------------|

EXP

|                        |
|------------------------|
| <b>4. BATCH NUMBER</b> |
|------------------------|

Lot

|  |
|--|
| <b>5. CONTENTS BY WEIGHT, BY VOLUME OR BY UNIT</b> |
|--|

0.5 ml

|                 |
|-----------------|
| <b>6. OTHER</b> |
|-----------------|

## **B. PACKAGE LEAFLET**



## **Package leaflet: Information for the user**

### **Flucelvax suspension for injection in pre-filled syringe** Influenza vaccine (surface antigen, inactivated, prepared in cell cultures)

**Read all of this leaflet carefully before you receive this medicine because it contains important information for you.**

- Keep this leaflet. You may need to read it again.
- If you have any further questions, ask your doctor, pharmacist or nurse.
- If you get any side effects, talk to your doctor, pharmacist or nurse. This includes any possible side effects not listed in this leaflet. See section 4.

#### **What is in this leaflet**

1. What Flucelvax is and what it is used for
2. What you need to know before you receive Flucelvax
3. How Flucelvax is given
4. Possible side effects
5. How to store Flucelvax
6. Contents of the pack and other information

#### **1. What Flucelvax is and what it is used for**

Flucelvax is a vaccine against flu (influenza). Flucelvax is prepared in cell cultures, and, therefore, is egg-free.

When a person is given the vaccine, the immune system (the body's natural defence system) will produce its own protection against the influenza virus. None of the ingredients in the vaccine can cause flu.

Flucelvax is used to prevent flu in adults and children from 6 months of age.

The vaccine targets three strains of influenza virus following the recommendations by the World Health Organisation for the XXXX/XXXX SEASON.

#### **2. What you need to know before you receive Flucelvax**

##### **You should not receive Flucelvax:**

If you are allergic to:

- the active ingredients or any of the other ingredients of this medicine (listed in section 6)
- beta-propiolactone, cetyltrimethylammonium bromide, or polysorbate 80, which are trace residues from the manufacturing process.

##### **Warnings and precautions**

Talk to your doctor, pharmacist or nurse before receiving Flucelvax.

##### **BEFORE receiving the vaccine**

- Your doctor or nurse will make sure that appropriate medical treatment and supervision is readily available in case of a rare anaphylactic reaction (a very severe allergic reaction with symptoms such as difficulty in breathing, dizziness, a weak and rapid pulse and skin rash) following the administration. This reaction may occur with Flucelvax as with all vaccines that are injected.

- You should tell your doctor if you have an acute illness associated with fever. Your doctor may decide to delay your vaccination until your fever is gone.
- You should tell your doctor if your immune system is impaired, or if you are undergoing treatment which affects the immune system, e.g. with medicine against cancer (chemotherapy) or corticosteroid medicines (see section “Other medicines and Flucelvax”).
- You should tell your doctor if you have a bleeding problem or bruise easily.
- Fainting can occur following, or even before, any needle injection, therefore tell the doctor or nurse if you fainted with a previous injection.

As with all vaccines, Flucelvax may not fully protect all persons who are vaccinated.

### **Children aged less than 6 months**

This vaccine is currently not recommended in children aged less than 6 months as safety and efficacy in this age group have not been established.

### **Other medicines and Flucelvax**

Tell your doctor or nurse if you are using, have recently used or might use any other medicines, including medicines obtained without a prescription or if you have recently received any other vaccine.

Flucelvax may be given at the same time as other vaccines.

### **Pregnancy and breast-feeding**

#### Pregnancy

Tell your doctor if you are pregnant, think you may be pregnant or are planning to have a baby. Influenza vaccines may be given in any trimester of pregnancy.

#### Breast-feeding

Use of Flucelvax during breast-feeding has not been studied. No effects on breast fed babies are expected. Flucelvax may be given during breast-feeding.

### **Driving and using machines**

Flucelvax has no or negligible effect on your ability to drive and use machines.

### **Flucelvax contains sodium chloride and potassium chloride**

This vaccine contains less than 1 mmol sodium (23 mg) per dose, that is to say essentially ‘sodium-free’.

This vaccine contains potassium, less than 1 mmol (39 mg) per dose, i.e. essentially ‘potassium-free’.

## **3. How Flucelvax is given**

Flucelvax is given to you by your doctor or nurse as an injection into the muscle at the top of the upper arm (deltoid muscle) or into the muscle of the upper and outer part of the thigh in young children depending on the muscle size.

#### Adults and children from 6 months of age:

One dose of 0.5 ml

If your child is younger than 9 years of age and has not been previously vaccinated against flu, a second dose should be given after at least 4 weeks.

#### 4. Possible side effects

Like all medicines, this medicine can cause side effects, although not everybody gets them. The following side effects have been reported during clinical studies and during general use:

##### **Very serious side effects**

Tell your doctor immediately or go to the casualty department at your nearest hospital if you experience the following side effect – you may need urgent medical attention or hospitalisation:

- Difficulty in breathing, dizziness, a weak and rapid pulse and skin rash which are symptoms of an anaphylactic reaction (a very severe allergic reaction)

##### **Serious side effects**

Tell your doctor immediately if you experience any of the following side effects – you may need medical attention:

- You feel weak, you have difficulty moving around or you experience numbness or tingling in your limbs. These can be symptoms of Guillain-Barré syndrome (GBS), an autoimmune disease caused by your body's own immune system.
- Extensive swelling of injected limb

##### **Other side effects**

Very common (may affect more than 1 in 10 people)

- Injection site pain, bruising, reddening and hardening or swelling at the site of the injection
- Headache
- Muscle pain
- Tiredness
- Loss of appetite
- Irritability (only reported in children from 6 months to < 6 years)
- Sleepiness (only reported in children 6 months to < 6 years)
- Change of eating habits (only reported in children from 6 months to < 6 years)
- Fever ( $\geq 38^{\circ}\text{C}$ )
- Diarrhoea

Hardening or swelling at the site of the injection, headache, muscle pain, and tiredness were common in the elderly.

Bruising at the site of the injection was common in adults, elderly and children 9 to < 18 years.

Headache was common in the elderly.

Loss of appetite was common in adults, elderly and children 9 to < 18 years.

Fever was uncommon in adults and elderly and common in children from 4 to < 18 years

Common (may affect up to 1 in 10 people)

- Nausea, vomiting
- Joint pain
- Shivering

Vomiting was uncommon in the elderly.

Not known (frequency cannot be estimated from the available data)

- Numbness and tingling sensation (paraesthesia)
- Generalised skin reactions including itching, bumps on the skin (pruritis, urticaria) or non-specific rash

##### **Reporting of side effects**

If you get any side effects, talk to your doctor, pharmacist or nurse. This includes any possible side effects not listed in this leaflet. You can also report side effects directly via the national reporting system listed in [Appendix V](#). By reporting side effects, you can help provide more information on the safety of this medicine.

## 5. How to store Flucelvax

Keep this vaccine out of the sight and reach of children.

Do not use this vaccine after the expiry date which is stated on the label and carton after EXP. The expiry date refers to the last day of that month.

Store in a refrigerator (2 °C to 8 °C). Do not freeze.

Keep the pre-filled syringe in the outer carton in order to protect from light.

Do not throw away any medicines via wastewater or household waste. Ask your pharmacist how to throw away medicines you no longer use. These measures will help protect the environment.

## 6. Contents of the pack and other information

### What Flucelvax contains

The active substances are influenza virus surface antigens (haemagglutinin and neuraminidase), inactivated, of the following strains\*:

A/Wisconsin/67/2022 (H1N1)pdm09-like strain (A/Georgia/12/2022 CVR-167) 15 micrograms HA\*\*

A/Darwin/6/2021 (H3N2)-like strain (A/Darwin/11/2021, wild type) 15 micrograms HA\*\*

B/Austria/1359417/2021-like strain (B/Singapore/WUH4618/2021, wild type) 15 micrograms HA\*\*

per 0.5 ml dose

- .....
- \* propagated in Madin Darby Canine Kidney (MDCK) cells (this is the special cell culture in which the influenza virus is grown);
  - \*\* haemagglutinin

This vaccine complies with the World Health Organisation (WHO) recommendation (northern hemisphere) and EU recommendation for the XXXX/XXXX SEASON.

The other ingredients are: sodium chloride, potassium chloride, magnesium chloride hexahydrate, disodium phosphate dihydrate, potassium dihydrogen phosphate and water for injections.  
(see Section 2 – Flucelvax contains sodium and potassium)

### What Flucelvax looks like and contents of the pack

Flucelvax is a suspension for injection (injection) in a pre-filled syringe (ready to use syringe).

Flucelvax is a clear to slightly opalescent suspension.

A single syringe contains 0.5 ml of suspension for injection.

Flucelvax is available in packs containing 1 pre-filled syringe with or without needle or 10 pre-filled syringes with or without needles.

Not all pack sizes may be marketed.

### Marketing Authorisation Holder and Manufacturer

Seqirus Netherlands B.V.  
Paasheuvelweg 28  
1105BJ Amsterdam  
Netherlands

For any information about this medicine, please contact the local representative of the Marketing Authorisation Holder:

**België/Belgique/Belgien**

Seqirus Netherlands B.V. Nederland/Netherlands  
Tel: +31 (0) 20 204 6900

**България**

Seqirus Netherlands B.V. Нидерландия  
Тел.: +31 (0) 20 204 6900

**Česká republika**

Seqirus Netherlands B.V. Nizozemsko  
Tel: +31 (0) 20 204 6900

**Danmark**

Seqirus Netherlands B.V. Holland  
Tlf: +31 (0) 20 204 6900

**Deutschland**

Seqirus GmbH  
Tel: 0800/3601010

**Eesti**

Seqirus Netherlands B.V. Holland  
Tel: +31 (0) 20 204 6900

**Ελλάδα**

WIN MEDICA A.E.  
Τηλ: 210 7488821

**España**

Seqirus Spain, S.L., Barcelona  
Tel: 937 817 884

**France**

Vifor France  
Tel: 0800 400 160

**Hrvatska**

Seqirus Netherlands B.V. Nizozemska  
Tel: +31 (0) 20 204 6900

**Ireland**

Seqirus UK Limited Maidenhead  
Tel: +44 1628 641 500

**Ísland**

Seqirus Netherlands B.V. Holland  
Sími: +31 (0) 20 204 6900

**Italia**

Seqirus S.r.l. Siena  
Tel: +39 0577 096400

**Κύπρος**

Seqirus Netherlands B.V. Ολλανδία  
Τηλ: +31 (0) 20 204 6900

**Lietuva**

Seqirus Netherlands B.V. Nyderlandai  
Tel: +31 (0) 20 204 6900

**Luxembourg/Luxemburg**

Seqirus Netherlands B.V. Netherlands  
Tél/Tel: +31 (0) 20 204 6900

**Magyarország**

Seqirus Netherlands B.V. Hollandia  
Tel.: +31 (0) 20 204 6900

**Malta**

Seqirus Netherlands B.V. In-Netherlands  
Tel: +31 (0) 20 204 6900

**Nederland**

Seqirus Netherlands B.V. Amsterdam  
Tel: +31 (0) 20 204 6900

**Norge**

Seqirus Netherlands B.V. Nederland  
Tlf: +31 (0) 20 204 6900

**Österreich**

Vifor Pharma Österreich GmbH  
Tel: +43 (1) 41 64 7770

**Polska**

Seqirus Netherlands B.V. Holandia  
Tel.: +31 (0) 20 204 6900

**Portugal**

Seqirus Netherlands B.V. Países Baixos  
Tel: +31 (0) 20 204 6900

**România**

Seqirus Netherlands B.V. Olanda  
Tel: +31 (0) 20 204 6900

**Slovenija**

Seqirus Netherlands B.V. Nizozemska  
Tel: +31 (0) 20 204 6900

**Slovenská republika**

Seqirus Netherlands B.V. Holandsko  
Tel: +31 (0) 20 204 6900

**Suomi/Finland**

Seqirus Netherlands B.V. Alankomaat  
Puh/Tel: +31 (0) 20 204 6900

**Sverige**

Seqirus Netherlands B.V. Nederländerna  
Tel: +31 (0) 20 204 6900

**Latvija**

Seqirus Netherlands B.V. Nīderlande

Tel: +31 (0) 20 204 6900

**This leaflet was last revised in**

**Other sources of information**

Detailed information on this medicine is available on the European Medicines Agency web site:

<http://www.ema.europa.eu>.

-----  
The following information is intended for healthcare professionals only:

Appropriate medical treatment and supervision should always be readily available in case of a rare anaphylactic event following the administration of the vaccine.

Shake before use. After shaking, the normal appearance of the vaccine is a clear to slightly opalescent suspension.

The vaccine should be visually inspected for particulate matter and discoloration prior to administration. In the event of any foreign particulate matter and/or variation of physical aspect being observed, do not administer the vaccine.