EMA/137691/2024

European Medicines Agency decision

P/0097/2024

of 12 April 2024

on the agreement of a paediatric investigation plan and on the granting of a deferral and on the granting of a waiver for CX-000359 mRNA encoding the UL128 protein in the CMV glycoprotein complex pentamer / CX- 000594 mRNA encoding the gL protein in the CMV glycoprotein complex pentamer / CX- 000712 mRNA encoding the UL130 protein in the CMV glycoprotein complex pentamer / CX-005128 mRNA encoding the UL131A protein in the CMV glycoprotein complex pentamer / CX-005282 m-RNA encoding the gH protein in the CMV glycoprotein complex pentamer / CX-000667 mRNA encoding CMV gB (mRNA-1647) (EMEA-003405-PIP01-23) in accordance with Regulation (EC) No 1901/2006 of the European Parliament and of the Council

Disclaimer

This decision does not constitute entitlement to the rewards and incentives referred to in Title V of Regulation (EC) No 1901/2006.

Only the English text is authentic.

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The European Medicines Agency,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EC) No 1901/2006 of the European Parliament and of the Council of 12 December 2006 on medicinal products for paediatric use and amending Regulation (EEC) No. 1768/92, Directive 2001/20/EC, Directive 2001/83/EC and Regulation (EC) No 726/2004[1],

Having regard to Regulation (EC) No 726/2004 of the European Parliament and of the Council of 31 March 2004 laying down Union procedures for the authorisation and supervision of medicinal products for human use and establishing a European Medicines Agency[2],

Having regard to the application submitted by Moderna Biotech Spain, S.L. on 16 February 2023 under Article 16(1) of Regulation (EC) No 1901/2006 also requesting a deferral under Article 20 of said Regulation and a waiver under Article 13 of said Regulation,

Having regard to the opinion of the Paediatric Committee of the European Medicines Agency, issued on 23 February 2024, in accordance with Article 17 of Regulation (EC) No 1901/2006 and Article 21 of said Regulation and Article 13 of said Regulation,

Having regard to Article 25 of Regulation (EC) No 1901/2006,

Whereas:

(1) The Paediatric Committee of the European Medicines Agency has given an opinion on the agreement of a paediatric investigation plan and on the granting of a deferral and on the granting of a waiver.

(2) It is therefore appropriate to adopt a decision agreeing a paediatric investigation plan.

(3) It is therefore appropriate to adopt a decision granting a deferral.

(4) It is therefore appropriate to adopt a decision granting a waiver.

[1] OJ L 378, 27.12.2006, p.1, as amended.
[2] OJ L 136, 30.4.2004, p. 1, as amended.

Has adopted this decision:

Article 1

A paediatric investigation plan for CX-000359 mRNA encoding the UL128 protein in the CMV glycoprotein complex pentamer / CX- 000594 mRNA encoding the gL protein in the CMV glycoprotein complex pentamer / CX- 000712 mRNA encoding the UL130 protein in the CMV glycoprotein complex pentamer / CX-005128 mRNA encoding the UL131A protein in the CMV glycoprotein complex pentamer / CX-005282 m-RNA encoding the gH protein in the CMV glycoprotein complex pentamer / CX-000667 mRNA encoding CMV gB (mRNA-1647), powder for suspension for injection, intramuscular use, the details of which are set out in the opinion of the Paediatric Committee of the European Medicines Agency annexed hereto, together with its appendices, is hereby agreed.

Article 2

A deferral for CX-000359 mRNA encoding the UL128 protein in the CMV glycoprotein complex pentamer / CX- 000594 mRNA encoding the gL protein in the CMV glycoprotein complex pentamer / CX- 000712 mRNA encoding the UL130 protein in the CMV glycoprotein complex pentamer / CX-005128 mRNA encoding the UL131A protein in the CMV glycoprotein complex pentamer / CX-005282 m-RNA encoding the gH protein in the CMV glycoprotein complex pentamer / CX-000667 mRNA encoding CMV gB (mRNA-1647), powder for suspension for injection, intramuscular use, the details of which are set out in the opinion of the Paediatric Committee of the European Medicines Agency annexed hereto, together with its appendices, is hereby granted.

Article 3

A waiver for CX-000359 mRNA encoding the UL128 protein in the CMV glycoprotein complex pentamer / CX- 000594 mRNA encoding the gL protein in the CMV glycoprotein complex pentamer / CX- 000712 mRNA encoding the UL130 protein in the CMV glycoprotein complex pentamer / CX-005128 mRNA encoding the UL131A protein in the CMV glycoprotein complex pentamer / CX-005282 m-RNA encoding the gH protein in the CMV glycoprotein complex pentamer / CX-000667 mRNA encoding CMV gB (mRNA-1647), powder for suspension for injection, intramuscular use, the details of which are set out in the opinion of the Paediatric Committee of the European Medicines Agency annexed hereto, together with its appendices, is hereby granted.

Article 4

This decision is addressed to Moderna Biotech Spain, S.L., Calle del Príncipe de Vergara 132 Plt 12, 28002 - Madrid, Spain.

EMA/PDCO/538001/2023 Corr. [1]
Amsterdam, 23 February 2024

Opinion of the Paediatric Committee on the agreement of a Paediatric Investigation Plan and a deferral and a waiver

EMEA-003405-PIP01-23

Scope of the application

Active substance(s):

CX-000359 mRNA encoding the UL128 protein in the CMV glycoprotein complex pentamer / CX-000594 mRNA encoding the gL protein in the CMV glycoprotein complex pentamer / CX- 000712 mRNA encoding the UL130 protein in the CMV glycoprotein complex pentamer / CX-005128 mRNA encoding the UL131A protein in the CMV glycoprotein complex pentamer / CX-005282 m-RNA encoding the gH protein in the CMV glycoprotein complex pentamer / CX-000667 mRNA encoding CMV gB (mRNA-1647)

Invented name and authorisation status:

See Annex II

Condition(s):

Prevention of cytomegalovirus infection

Pharmaceutical form(s):

Powder for suspension for injection

Route(s) of administration:

Intramuscular use

Name/corporate name of the PIP applicant:

Moderna Biotech Spain, S.L.

Basis for opinion

Pursuant to Article 16(1) of Regulation (EC) No 1901/2006 as amended, Moderna Biotech Spain, S.L. submitted for agreement to the European Medicines Agency on 16 February 2023 an application for a

[1] 14 Mar 2024

paediatric investigation plan for the above mentioned medicinal product and a deferral under Article 20 of said Regulation and a waiver under Article 13 of said Regulation.

The procedure started on 27 March 2023.

Supplementary information was provided by the applicant on 15 November 2023. The applicant proposed modifications to the paediatric investigation plan.

Opinion

1. The Paediatric Committee, having assessed the proposed paediatric investigation plan in accordance with Article 17 of Regulation (EC) No 1901/2006 as amended, recommends as set out in the appended summary report:

   - to agree the paediatric investigation plan in accordance with Article 17(1) of said Regulation;
   - to grant a deferral in accordance with Article 21 of said Regulation;
   - to grant a waiver for one or more subsets of the paediatric population in accordance with Article 13 of said Regulation and concluded in accordance with Article 11(1)(c) of said Regulation, on the grounds that the specific medicinal product does not represent a significant therapeutic benefit over existing treatments for paediatric patients.

   The Paediatric Committee member of Norway agrees with the above-mentioned recommendation of the Paediatric Committee.

2. The measures and timelines of the agreed paediatric investigation plan and the subset(s) of the paediatric population and condition(s) covered by the waiver are set out in the Annex I.

This opinion is forwarded to the applicant and the Executive Director of the European Medicines Agency, together with its annexes and appendix.

Annex I

The subset(s) of the paediatric population and condition(s) covered by the waiver and the measures and timelines of the agreed paediatric investigation plan (PIP)

1. Waiver

1.1. Condition:

Prevention of cytomegalovirus infection

The waiver applies to:

- the paediatric population from birth to less than 6 months of age;
- powder for suspension for injection, intramuscular use;
- on the grounds that the specific medicinal product does not represent a significant therapeutic benefit in this age group.

2. Paediatric investigation plan

2.1. Condition:

Prevention of cytomegalovirus infection

2.1.1. Indication(s) targeted by the PIP

Active immunization to prevent cytomegalovirus infection

2.1.2. Subset(s) of the paediatric population concerned by the paediatric development

From 6 months to less than 18 years of age

2.1.3. Pharmaceutical form(s)

Powder for suspension for injection

2.1.4. Measures

Area	**Description**
Quality-related studies	Not applicable
Non-clinical studies	Not applicable
Clinical studies	**Study 1 (mRNA 1647-P301)** Randomised, observer-blind, placebo-controlled trial to evaluate efficacy, safety, and immunogenicity of mRNA-1647 cytomegalovirus vaccine in healthy female participants from 16 years to less than 18 years of age (and adults). **Study 2 (mRNA 1647-P104)** Open-label, dose-finding, observer-blind, placebo controlled, safety, and immunogenicity study of mRNA-1647 cytomegalovirus vaccine in healthy subjects from 9 to less than 18 years of age (and adults).

	Study 3 (mRNA-1647-P303) Randomized, placebo-controlled study evaluating safety, reactogenicity, and immunogenicity of mRNA-1647 cytomegalovirus vaccine in healthy children and adolescent females participants from 9 years to less than 16 years of age. **Study 4 (mRNA 1647-P308)** Study to evaluate mRNA-1647 cytomegalovirus vaccine in immunocompromised children from 6 months to less than 18 years of age, part 1: Open label safety, immunogenicity, and dose finding, part 2: Safety, immunogenicity, and vaccine effectiveness.
Modelling and simulation analyses	Not applicable
Other studies	Not applicable
Extrapolation plan	Not applicable

3. Follow-up, completion and deferral of PIP

Concerns on potential long term safety/efficacy issues in relation to paediatric use:	No
Date of completion of the paediatric investigation plan:	By May 2035
Deferral for one or more measures contained in the paediatric investigation plan:	Yes

Annex II

Information about the authorised medicinal product

Information provided by the applicant:

The product is not authorised anywhere in the European Community.