

Our STN: BL 125755/34

SUPPLEMENT APPROVAL April 5, 2024

bluebird bio, Inc. Attention: Megan Parsi, MBS 455 Grand Union Boulevard Somerville, MA 02145

Dear Megan Parsi:

We have approved your request received October 5, 2023, to supplement your Biologics License Application (BLA) submitted under section 351(a) of the Public Health Service Act for elivaldogene autotemcel to update of USPI and Medication Guide to include updated safety information related to hematologic malignancy, including information on patient monitoring and counseling, and clarifications to improve readability of warnings and precautions and adverse reactions.

LABELING

Under 21 CFR 201.57(c)(18), patient labeling must be referenced in section 17 PATIENT COUNSELING INFORMATION. Patient labeling must be available and may either be reprinted immediately following the full prescribing information of the package insert or accompany the prescription product labeling.

We hereby approve the draft content of labeling Package Insert and Medication Guide submitted April 5, 2024.

CONTENT OF LABELING

As soon as possible, but no later than 14 days from the date of this letter, please submit the final content of labeling (21 CFR 601.14) in Structured Product Labeling (SPL) format via the FDA automated drug registration and listing system, (eLIST) as described at http://www.fda.gov/ForIndustry/DataStandards/StructuredProductLabeling/ default.htm. Content of labeling must be identical to the Package Insert and Medication Guide submitted on April 5, 2024. Information on submitting SPL files using eLIST may be found in the guidance for industry SPL Standard for Content of Labeling Technical Qs and As at

http://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulatoryInformation/GuidanceS/UCM072392.pdf.

The SPL will be accessible via publicly available labeling repositories.

All final labeling should be submitted as Product Correspondence to this BLA, STN BL 125755 at the time of use and include implementation information on Form FDA 356h.

ADVERTISING AND PROMOTIONAL LABELING

You may submit two draft copies of the proposed introductory advertising and promotional labeling with Form FDA 2253 to the Advertising and Promotional Labeling Branch at the following address:

Food and Drug Administration Center for Biologics Evaluation and Research Document Control Center 10903 New Hampshire Ave. WO71–G112 Silver Spring, MD 20993-0002

You must submit copies of your final advertising and promotional labeling at the time of initial dissemination or publication, accompanied by Form FDA 2253 (21 CFR 601.12(f)(4)).

All promotional claims must be consistent with and not contrary to approved labeling. You should not make a comparative promotional claim or claim of superiority over other products unless you have substantial evidence or substantial clinical experience to support such claims (21 CFR 202.1(e)(6)).

We will include information contained in the above-referenced supplement in your BLA file.

Sincerely,

Lola Fashoyin-Aje, MD, MPH Acting Director Division of Clinical Evaluation General Medicine Office of Clinical Evaluation Office of Therapeutic Products Center for Biologics Evaluation and Research