

Clinical Policy: Plerixafor (Mozobil)

Reference Number: LA.PHAR.323

Effective Date:

Last Review Date: 06.26.23

Line of Business: Medicaid

[Coding Implications](#)

[Revision Log](#)

See [Important Reminder](#) at the end of this policy for important regulatory and legal information.

****Please note: This policy is for medical benefit****

Description

Plerixafor (Mozobil[®]) is a hematopoietic stem cell mobilizer.

FDA Approved Indication(s)

Mozobil is indicated in combination with granulocyte-colony stimulating factor (G-CSF) to mobilize hematopoietic stem cells (HSCs) to the peripheral blood for collection and subsequent autologous transplantation in patients with non-Hodgkin's lymphoma (NHL) or multiple myeloma (MM).

Policy/Criteria

Provider must submit documentation (such as office chart notes, lab results or other clinical information) supporting that member has met all approval criteria.

It is the policy of Louisiana Healthcare Connections[®] that Mozobil is **medically necessary** when the following criteria are met:

I. Initial Approval Criteria

A. Mobilization of Hematopoietic Stem Cells (must meet all):

1. Diagnosis of NHL or MM;
2. Prescribed by or in consultation with an oncologist or hematologist;
3. Age \geq 18 years;
4. Prescribed in combination with a formulary G-CSF (i.e., Zarxio[®]);
**Prior authorization may be required for G-CSF.*
5. Member is scheduled to receive autologous stem cell transplantation;
6. Dose does not exceed one of the following (a or b), given for up to 4 consecutive days:
 - a. Weight \leq 83 kg: 20 mg/day fixed dose or 0.24 mg/kg per day;
 - b. Weight $>$ 83 kg: 0.24 mg/kg (up to 40 mg per day).

Approval duration: 3 months

B. Other diagnoses/indications (must meet 1 or 2):

1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to LA.PMN.255

- If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy LA.PMN.53

II. Continued Therapy

A. Mobilization of Hematopoietic Stem Cells (must meet all):

- Re-authorization is not permitted. Members must meet the initial approval criteria.
Approval duration: Not applicable

B. Other diagnoses/indications (must meet 1 or 2):

- If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to LA.PMN.255
- If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy LA.PMN.53

III. Diagnoses/Indications for which coverage is NOT authorized

- Non-FDA approved indications, which are not addressed in this policy, unless there is sufficient documentation of efficacy and safety according to the off label use policy LA.PMN.53

IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key

FDA: Food and Drug Administration
G-CSF: granulocyte-colony stimulating factor

HSCs: hematopoietic stem cells
MM: multiple myeloma
NHL: non-Hodgkin lymphoma

Appendix B: Therapeutic Alternatives

Not applicable

Appendix C: Contraindications/Boxed Warnings

- Contraindication(s): hypersensitivity
- Boxed warning(s): none reported

V. Dosage and Administration

Indication	Dosing Regimen	Maximum Dose
NHL or MM	<p>The recommended dose of Mozobil by SC injection is based on actual body weight:</p> <ul style="list-style-type: none"> ≤ 83 kg: 20 mg fixed dose or 0.24 mg/kg of body weight > 83 kg: 0.24 mg/kg of body weight <p>Initiate Mozobil treatment after the patient has received G-CSF once daily for 4 days. Administer Mozobil approximately 11 hours prior to initiation of each apheresis for up to 4 consecutive days.</p>	40 mg/day

Indication	Dosing Regimen	Maximum Dose
	<p>Use actual body weight to calculate the volume of Mozobil to be administered: $0.012 \times \text{actual body weight (in kg)} = \text{volume to be administered (in mL)}$.</p> <p>Mozobil dose and treatment if weight is more than 175% of ideal body weight have not been investigated.</p>	

VI. Product Availability

Single-use vial for injection: 1.2 mL of a 20 mg/mL solution containing 24 mg of plerixafor

VII. References

1. Mozobil Prescribing Information. Cambridge, MA: Genzyme Corporation; August 2020. Available at: www.mozobil.com. Accessed May 2, 2022.
2. National Comprehensive Cancer Network Drugs and Biologics Compendium. Available at: http://www.nccn.org/professionals/drug_compendium. Accessed May 2, 2022.
3. National Comprehensive Cancer Network. Hematopoietic Growth Factors Version 1.2022. Available at: https://www.nccn.org/professionals/physician_gls/pdf/growthfactors.pdf. Accessed: May 2, 2022.
4. Plerixafor Drug Monograph. Clinical Pharmacology. Available at: <https://www.clinicalkey.com/pharmacology>. Accessed May 2, 2022.

Coding Implications

Codes referenced in this clinical policy are for informational purposes only. Inclusion or exclusion of any codes does not guarantee coverage. Providers should reference the most up-to-date sources of professional coding guidance prior to the submission of claims for reimbursement of covered services.

HCPCS Codes	Description
J2562	Injection, plerixafor, 1 mg

Reviews, Revisions, and Approvals	Date	LDH Approval Date
Converted corporate policy to local policy.	06.26.23	

Important Reminder

This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. LHCC makes no representations and accepts no liability with respect to the content of any external information used or relied upon in

developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved.

The purpose of this clinical policy is to provide a guide to medical necessity, which is a component of the guidelines used to assist in making coverage decisions and administering benefits. It does not constitute a contract or guarantee regarding payment or results. Coverage decisions and the administration of benefits are subject to all terms, conditions, exclusions and limitations of the coverage documents (e.g., evidence of coverage, certificate of coverage, policy, contract of insurance, etc.), as well as to state and federal requirements and applicable LHCC administrative policies and procedures.

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