

## Clinical Policy: Obecabtagene Autoleucel (Aucatzyl)

Reference Number: LA.PHAR.675

Effective Date:

Last Review Date: 03.04.25

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

Obecabtagene autoleucel (Aucatzyl®) is a CD19-directed chimeric antigen receptor (CAR) T-cell therapy.

### FDA Approved Indication(s)

Aucatzyl is indicated for the treatment of adult patients with relapsed or refractory B-cell acute lymphoblastic leukemia (ALL).

### 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.*

All requests reviewed under this policy **require medical director review**.

It is the policy of Louisiana Healthcare Connections that Aucatzyl is **medically necessary** when the following criteria are met:

#### I. Initial Approval Criteria

##### A. Acute Lymphoblastic Leukemia\* (must meet all):

*\*Only for initial treatment dose; subsequent doses will not be covered.*

1. Diagnosis of B-cell precursor ALL;
2. Prescribed by or in consultation with an oncologist or hematologist;
3. Age  $\geq$  18 years;
4. Request meets one of the following (a or b):
  - a. Member has relapsed or refractory disease defined as one of the following (i - iv):
    - i. Primary refractory disease;
    - ii. First relapse if first remission  $\leq$  12 months;
    - iii. Relapsed or refractory disease after 2 or more lines of systemic therapy;
    - iv. Relapsed or refractory disease following allogeneic stem cell transplantation (allo-SCT) and must be 3 months from allo-SCT at the time of Aucatzyl infusion;
  - b. Disease is Philadelphia chromosome positive (Ph+), relapsed or refractory, and one of the following (i, ii, or iii):

- i. Member has failed 2 tyrosine kinase inhibitors (e.g., imatinib, Sprycel®, Tasigna®, Bosulif®, Iclusig®);
  - ii. Member has failed one second-generation tyrosine kinase inhibitor (e.g., Bosulif, Sprycel, Tasigna);
  - iii. Member has a contraindication to all tyrosine kinase inhibitors;  
*\*Prior authorization may be required for tyrosine kinase inhibitors*
5. If previously treated with Blincyto®, documentation of CD19 tumor expression on blasts obtained from bone marrow or peripheral blood after completion of the most recent prior line of therapy;
6. Member does not have central nervous system (CNS)-3 disease\* or have a history or presence of any CNS disorder (e.g., seizure disorder, cerebrovascular ischemia/hemorrhage, dementia, cerebellar disease, any autoimmune disease with CNS involvement, posterior reversible encephalopathy syndrome, or cerebral edema);  
*\*CNS-3 disease is defined as detectable cerebrospinal blast cells in a sample of CSF with  $\geq 5$  white blood cells (WBCs) per  $\text{mm}^3$*
7. If member has CNS-2 disease\*, documentation of no clinically evident neurological changes;  
*\*CNS-2 disease is defined as CSF blast cells with  $< 5$  WBCs/ $\text{mm}^3$*
8. Member has not previously received treatment with CAR T-cell immunotherapy (e.g., Abecma®, Breyanzi™, Carvykti™, Kymriah™, Tecartus®, Yescarta™);
9. Aucatzyl is not prescribed concurrently with other CAR T-cell immunotherapy (e.g., Abecma, Breyanzi, Carvykti, Kymriah, Tecartus, Yescarta);
10. Dose does not exceed a total of  $410 \times 10^6$  CAR-positive viable T cells administered as a split dose.

**Approval duration: 3 months (2 doses only, with 8 doses of tocilizumab (Actemra) if requested at up to 800 mg per dose)**

**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
2. 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. Acute Lymphoblastic Leukemia**

1. Continued therapy will not be authorized as Aucatzyl is indicated as a single treatment course.

**Approval duration: Not applicable**

**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

2. 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:

- A. 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
- B. History or presence of any CNS disorder, such as a seizure disorder, cerebrovascular ischemia/hemorrhage, dementia, cerebellar disease, any autoimmune disease with CNS involvement, posterior reversible encephalopathy syndrome, or cerebral edema;
- C. Presence of CNS-3 disease defined as detectable cerebrospinal blast cells in a sample of CSF with  $\geq 5$  WBCs per  $\text{mm}^3$  with or without neurological changes.

### IV. Appendices/General Information

#### *Appendix A: Abbreviation/Acronym Key*

ALL: acute lymphoblastic leukemia

allo-SCT: allogeneic stem cell transplantation

CAR: chimeric antigen receptor

CNS: central nervous system

CSF: cerebrospinal fluid

FDA: Food and Drug Administration

MRI: magnetic resonance imaging

Ph+: Philadelphia chromosome positive

WBC: white blood cells

#### *Appendix B: Therapeutic Alternatives*

*This table provides a listing of preferred alternative therapy recommended in the approval criteria. The drugs listed here may not be a formulary agent and may require prior authorization.*

Drug Name	Dosing Regimen	Dose Limit/Maximum Dose
imatinib mesylate (Gleevec <sup>®</sup> )	Adults with Ph+ ALL: 600 mg/day Pediatrics with Ph+ ALL: 340 mg/m <sup>2</sup> /day	Adults: 800 mg/day Pediatrics: 600 mg/day
Sprycel <sup>®</sup> (dasatinib)	Ph+ ALL: 140 mg per day	180 mg/day
Iclusig <sup>®</sup> (ponatinib)	Ph+ ALL: 45 mg per day	45 mg/day
Tasigna <sup>®</sup> (nilotinib)	Resistant or intolerant Ph+ CML-CP and CML-AP: 400 mg twice per day	800 mg/day
Bosulif <sup>®</sup> (bosutinib)	Ph+ CML: 500 mg per day	600 mg/day
Various combination regimens that may include the following: daunorubicin, doxorubicin, vincristine, dexamethasone, prednisone, pegaspargase,	Ph- ALL: varies	Varies

Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
nelarabine, methotrexate, cyclophosphamide, cytarabine, rituximab, 6-mercaptopurine		

*Therapeutic alternatives are listed as Brand name® (generic) when the drug is available by brand name only and generic (Brand name®) when the drug is available by both brand and generic.*

*Appendix C: Contraindications/Boxed Warnings*

- Contraindication(s): none reported
- Boxed warning(s):
  - Cytokine release syndrome (CRS): do not administer Aucatzyl to patients with active infection or inflammatory disorders. Prior to administering Aucatzyl, ensure that healthcare providers have immediate access to medications and resuscitative equipment to manage CRS.
  - Immune effector cell-associated neurotoxicity syndrome (ICANS) including fatal or life-threatening reactions, occurred in patients receiving Aucatzyl, including concurrently with CRS or after CRS resolution. Monitor for neurologic signs and symptoms after treatment with Aucatzyl. Prior to administering Aucatzyl, ensure that healthcare providers have immediate access to medications and resuscitative equipment to manage neurologic toxicities.
  - T cell malignancies have occurred following treatment of hematologic malignancies with BCMA- and CD19-directed genetically modified autologous T cell immunotherapies.

*Appendix D: General Information*

- Refractory disease is defined as an inability to achieve a complete response to therapy.
- The FELIX Phase Ib/II Study in patients with ALL (NCT04404660) excluded patients with:
  - Presence of CNS-3 disease defined as detectable cerebrospinal blast cells in a sample of CSF with  $\geq 5$  WBCs per  $\text{mm}^3$  with or without neurological changes;
  - Presence of CNS-2 disease defined as detectable cerebrospinal blast cells in a sample of CSF with  $< 5$  WBCs per  $\text{mm}^3$  with neurological changes;
  - History or presence of clinically relevant CNS pathology

**V. Dosage and Administration**

Indication	Dosing Regimen	Maximum Dose
ALL	410 x 10 <sup>6</sup> CAR-positive viable T cells administered as a split dose on Day 1 and Day 10	410 x 10 <sup>6</sup> CAR-positive viable T cells

**VI. Product Availability**

Single-dose unit infusion bag: frozen suspension of genetically modified autologous T-cells labeled for the specific recipient

## **VII. References**

1. Aucatzyl Prescribing Information. Gaithersburg, MD: Autolus Inc.; November 2024. Available at: [www.autolus.com/media/aj4olbsd/aucatzyl-pi-08-nov2024.pdf](http://www.autolus.com/media/aj4olbsd/aucatzyl-pi-08-nov2024.pdf). Accessed January 6, 2025.
2. Autolus Therapeutics. (2023, December 9). Autolus Therapeutics Presents Clinical Data Updates at the American Society of Hematology (ASH) Annual Meeting 2023 [Press release]. Available at: <https://autolus.gcs-web.com/news-releases/news-release-details/autolus-therapeutics-presents-clinical-data-updates-american>. Accessed January 3, 2024.
3. Obecabtagene Autoleucel (obe-cel, AUTO1) for Relapsed/Refractory Adult B-cell Acute Lymphoblastic Leukemia (R/R B-ALL): Pooled Analysis of the Ongoing FELIX Phase Ib/II Study. December 9, 2023. Abstract #222 - oral presentation: American Society of Hematology (ASH) Annual Meeting 2023. Available at: [https://www.autolus.com/media/4xbmrn5p/cr\\_roddie-et-al\\_felix-pooled-analysis\\_oral-presentation\\_ash23\\_final2-1dec23.pdf](https://www.autolus.com/media/4xbmrn5p/cr_roddie-et-al_felix-pooled-analysis_oral-presentation_ash23_final2-1dec23.pdf). Accessed January 3, 2024.
4. A Study of CD19 Targeted CAR T Cell Therapy in Adult Patients With Relapsed or Refractory B Cell Acute Lymphoblastic Leukaemia (ALL). Clinicaltrials.gov ID: NCT04404660. Updated August 28, 2023. Available at: <https://clinicaltrials.gov/study/NCT04404660>. Accessed January 3, 2024.
5. National Comprehensive Cancer Network. Acute Lymphoblastic Leukemia Version 3.2024. Available at: [https://www.nccn.org/professionals/physician\\_gls/pdf/all.pdf](https://www.nccn.org/professionals/physician_gls/pdf/all.pdf). Accessed January 6, 2025.
6. Roddie C, Sandhu KS, Tholouli E, et al. Obecabtagene Autoleucel in Adults with B-Cell Acute Lymphoblastic Leukemia. *N Engl J Med*. 2024 Nov 27; doi:10.1056/NEJMoa2406526

### **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.

<b>HCPCS Codes</b>	<b>Description</b>
C9399	Unclassified drugs or biologicals
J9999	Not otherwise classified, antineoplastic drugs

<b>Reviews, Revisions, and Approvals</b>	<b>Date</b>	<b>LDH Approval Date</b>
Converted to local policy.	03.04.25	

### **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.

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recommend treatment for members. Members should consult with their treating physician in connection with diagnosis and treatment decisions.

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