

## Darzalex® (daratumumab) (Intravenous)

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### I. Length of Authorization <sup>1,16,17,19,21,24,29,30</sup>

Coverage will be provided for 6 months and may be renewed (unless otherwise specified).

- Use for newly diagnosed multiple myeloma in combination with bortezomib, thalidomide, and dexamethasone may not be renewed.
- Use for newly diagnosed multiple myeloma in combination with bortezomib, lenalidomide and dexamethasone may be renewed for up to a maximum of 2 years of maintenance therapy.
- Use for newly diagnosed OR relapsed or refractory/progressive multiple myeloma in combination with cyclophosphamide, bortezomib and dexamethasone may be renewed for up to a maximum of 80 weeks (*32 weeks of induction therapy and 48 weeks of maintenance therapy*).
- Use for newly diagnosed multiple myeloma in combination with carfilzomib, lenalidomide, and dexamethasone may be renewed for up to a maximum of 32 weeks.
- Use as maintenance therapy for multiple myeloma in combination with lenalidomide may be renewed for up to a maximum of 2 years.
- Use for pediatric acute lymphoblastic leukemia may not be renewed.
- Use for newly diagnosed OR repeat of initial therapy if relapse-free for several years systemic light chain amyloidosis in combination with bortezomib, cyclophosphamide, and dexamethasone may be renewed for up to a maximum of 2 years.

### II. Dosing Limits

**Max Units (per dose and over time) [HCPCS Unit]:**

- **Multiple Myeloma:** 180 billable units every 7 days for 12 doses, every 14 days for 8 doses, every 21 days for 16 doses, then every 28 days
- **Systemic Light Chain Amyloidosis:** 180 billable units every 7 days for 8 doses, every 14 days for 8 doses, then every 28 days

- **Pediatric ALL:** 180 billable units every 7 days for 8 doses

### III. Initial Approval Criteria <sup>1</sup>

Coverage is provided in the following conditions:

- Patient is at least 18 years of age (unless otherwise specified); **AND**

#### Universal Criteria

- Therapy will not be used in combination with other anti-CD38 therapies; **AND**

#### Multiple Myeloma † ‡ Φ <sup>1-11,13,14,16-19,22,23</sup>

- Used in the treatment of newly diagnosed disease in patients who are ineligible for autologous stem cell transplant (ASCT) in combination with ONE of the following regimens:
  - Lenalidomide and dexamethasone; **OR**
  - Bortezomib, melphalan, and prednisone; **OR**
  - Cyclophosphamide, bortezomib, and dexamethasone; **OR**
- Used in the treatment of newly diagnosed disease in patients who are eligible for autologous stem cell transplant (ASCT) in combination with ONE of the following regimens:
  - Bortezomib, lenalidomide, and dexamethasone; **OR**
  - Bortezomib, thalidomide, and dexamethasone (VTd); **OR**
  - Carfilzomib, lenalidomide, and dexamethasone; **OR**
  - Cyclophosphamide, bortezomib, and dexamethasone; **OR**
- Used for disease relapse after 6 months following primary induction therapy with the same regimen in combination with ONE of the following regimens:
  - Lenalidomide and dexamethasone for non-transplant candidates; **OR**
  - Cyclophosphamide, bortezomib, and dexamethasone; **OR**
- Used as subsequent therapy for relapsed or refractory/progressive disease in combination with dexamethasone and ONE of the following:
  - Lenalidomide; **OR**
  - Bortezomib; **OR**
  - Carfilzomib; **OR**
  - Carfilzomib and pomalidomide; **OR**
  - Cyclophosphamide and bortezomib; **OR**
  - Selinexor; **OR**
  - Venetoclax (*for patients with t (11:14) ONLY*); **OR**
- Used in combination with pomalidomide and dexamethasone after prior therapy with lenalidomide and a proteasome inhibitor (bortezomib, carfilzomib, etc.), **OR**
- Used as single agent therapy; **AND**

- Patient received at least three prior lines of therapy including a proteasome inhibitor (e.g., bortezomib, carfilzomib, etc.) and an immunomodulatory agent (e.g., lenalidomide, pomalidomide, etc.); **OR**
- Patient is double refractory to a proteasome inhibitor and an immunomodulatory agent, **OR**
- Used as maintenance therapy for symptomatic disease in transplant candidates; **AND**
  - Used in combination with lenalidomide; **AND**
    - Used after response to primary myeloma therapy, **OR**
    - Used for response or stable disease following an autologous hematopoietic cell transplant (HCT), **OR**
    - Used for response or stable disease following a tandem autologous or allogeneic HCT for high-risk patients, **OR**
- Used for the management of POEMS (polyneuropathy, organomegaly, endocrinopathy, monoclonal protein, skin changes) syndrome; **AND**
  - Used as induction therapy for transplant eligible patients; **AND**
  - Used in combination with lenalidomide and dexamethasone.

#### **Systemic Light Chain Amyloidosis †<sup>2,12,15,25-27</sup>**

- Used for newly diagnosed disease OR as a repeat of initial therapy if relapse-free for several years; **AND**
  - Used in combination with bortezomib, cyclophosphamide, and dexamethasone (D-VCd), **OR**
  - Used as a single agent; **AND**
    - Patient has stage IIIb disease with no significant neuropathy, **OR**
- Used for relapsed or refractory disease; **AND**
  - Used in combination with lenalidomide and dexamethasone, **OR**
  - Used as a single agent.

#### **Pediatric Acute Lymphoblastic Leukemia (ALL) †<sup>2,20,21</sup>**

- Patient age ≥ 1 and ≤ 30 years; **AND**
- Patient has relapsed/refractory T-cell ALL; **AND**
- Used in combination with vincristine, pegaspargase/calaspargase, doxorubicin, and prednisone/dexamethasone.

† FDA Approved Indication(s); ‡ Compendia Recommended Indication(s); Ⓞ Orphan Drug

## **IV. Renewal Criteria <sup>1</sup>**

Coverage can be renewed based upon the following criteria:

- Patient continues to meet the universal and other indication-specific relevant criteria such as concomitant therapy requirements (not including prerequisite therapy), performance status, etc. identified in section III; **AND**

- Duration of authorization has not been exceeded (*refer to Section I*); **AND**
- Disease response with treatment as defined by stabilization of disease or decrease in size of tumor or tumor spread; **AND**
- Absence of unacceptable toxicity from the drug. Examples of unacceptable toxicity include severe infusion-related reactions including anaphylactic reactions, neutropenia, thrombocytopenia, etc.

## V. Dosage/Administration <sup>1,12,16-19,21,23,24,27,29,30-33</sup>

Indication	Dose
Multiple Myeloma	<p><u>Newly diagnosed disease in patients eligible for ASCT in combination with bortezomib, thalidomide and dexamethasone</u></p> <ul style="list-style-type: none"> <li>▪ 16 mg/kg body weight given as an intravenous infusion in a 4-week cycle:               <ul style="list-style-type: none"> <li>▪ Induction –                   <ul style="list-style-type: none"> <li>– Weekly Weeks 1 to 8 (eight doses; cycles 1 and 2)</li> <li>– Every two weeks Weeks 9 to 16 (four doses; cycles 3 and 4)</li> </ul> </li> </ul> <p><i>Stop for high dose chemotherapy and ASCT.</i></p> <ul style="list-style-type: none"> <li>▪ Consolidation –                   <ul style="list-style-type: none"> <li>– Every two weeks Weeks 1 to 8 (four doses; cycles 5 and 6)</li> </ul> </li> </ul> </li> </ul>
	<p><u>Newly diagnosed disease in patients eligible for ASCT in combination with bortezomib, lenalidomide and dexamethasone</u></p> <ul style="list-style-type: none"> <li>▪ 16 mg/kg body weight given as an intravenous infusion as follows:               <ul style="list-style-type: none"> <li>▪ Induction – <b>3-week cycle</b> <ul style="list-style-type: none"> <li>– Weekly Weeks 1 to 12 (twelve doses; cycles 1 to 4)</li> </ul> </li> <li>▪ Consolidation – (<i>after ASCT</i>) – <b>3-week cycle</b> <ul style="list-style-type: none"> <li>– Every 3 weeks Weeks 13 to 18 (two doses; cycles 5 and 6)</li> </ul> </li> <li>▪ Maintenance – <b>4-week cycle</b> <ul style="list-style-type: none"> <li>– Every 4- or 8-weeks Weeks 1 to 104 for a maximum of 2 years of maintenance treatment</li> </ul> </li> </ul> </li> </ul>
	<p><u>Newly diagnosed disease in patients eligible for ASCT in combination with carfilzomib, lenalidomide, and dexamethasone</u></p> <ul style="list-style-type: none"> <li>▪ 16 mg/kg body weight given as an intravenous infusion in a 4-week cycle:               <ul style="list-style-type: none"> <li>– Weekly Weeks 1 to 8 (eight doses; cycles 1 and 2)</li> <li>– Every two weeks Weeks 9 to 24 (eight doses; cycles 3 to 6)</li> <li>– Every four weeks Week 25 to 32 (two doses; cycles 7 and 8)</li> </ul> </li> </ul>
	<p><u>Newly diagnosed disease in patient's ineligible for ASCT in combination with bortezomib, melphalan and prednisone</u></p> <ul style="list-style-type: none"> <li>▪ 16 mg/kg body weight given as an intravenous infusion in a 6-week cycle:               <ul style="list-style-type: none"> <li>– Weekly Weeks 1 to 6 (six doses; cycle 1)</li> <li>– Every three weeks Weeks 7 to 54 (16 doses; cycles 2 to 9)</li> <li>– Every four weeks Week 55 onwards (cycle 10 and beyond)</li> </ul> </li> </ul> <p><i>Treat until disease progression or unacceptable toxicity</i></p>

Newly diagnosed OR relapsed or refractory/progressive disease in combination with cyclophosphamide, bortezomib and dexamethasone

Induction

- 8 mg/kg body weight given as an intravenous infusion on days 1 and 2 (Week 1; total 2 doses)
- Followed by 16 mg/kg body weight given as an intravenous infusion in a 4-week cycle:
  - Weekly Weeks 2 to 8 (seven doses; cycles 1 and 2)
  - Every two weeks Weeks 9 to 24 (eight doses; cycles 3 to 6)
  - Every four weeks Week 25 to 32 (two doses; cycles 7 and 8)

Maintenance (*after ASCT*)

- 16 mg/kg body weight given as an intravenous infusion every 4 weeks for up to 12 cycles (48 weeks)

Treatment as one of the following:

- Monotherapy for patients with relapsed/refractory multiple myeloma
- Combination therapy with lenalidomide and dexamethasone for newly diagnosed patient's ineligible for ASCT
- Combination therapy with lenalidomide, pomalidomide, or selinexor AND dexamethasone in patients with relapsed or refractory/progressive disease
- Combination therapy with carfilzomib, pomalidomide, and dexamethasone in patients with relapsed or refractory/progressive disease
- Combination therapy with venetoclax and dexamethasone for relapsed or refractory/progressive t (11;14) disease
- Combination therapy with lenalidomide and dexamethasone for the management of POEMS syndrome
- 16 mg/kg body weight given as an intravenous infusion in a 4-week cycle:
  - Weekly Weeks 1 to 8 (eight doses; cycles 1 and 2)
  - Every two weeks Weeks 9 to 24 (eight doses; cycles 3 to 6)
  - Every four weeks Week 25 onwards (cycle 7 and beyond)

*Treat until disease progression or unacceptable toxicity*

Combination therapy with carfilzomib and dexamethasone for relapsed or refractory/progressive disease

- 8 mg/kg body weight given as an intravenous infusion on days 1 and 2 (Week 1; total 2 doses)
- Followed by 16 mg/kg body weight given as an intravenous infusion in a 4-week cycle:
  - Weekly Weeks 2 to 8 (seven doses; cycles 1 and 2)
  - Every two weeks Weeks 9 to 24 (eight doses; cycles 3 to 6)
  - Every four weeks Week 25 onwards (cycle 7 and beyond)

*Treat until disease progression or unacceptable toxicity*

Combination therapy with bortezomib and dexamethasone for relapsed or refractory/progressive disease

- 16 mg/kg body weight given as an intravenous infusion in a 3-week cycle:
  - Weekly Weeks 1 to 9 (nine doses; cycles 1 to 3)
  - Every three weeks Weeks 10 to 24 (five doses; cycles 4 to 8)
  - Every four weeks Week 25 onwards (cycle 9 and beyond)

	<i>Treat until disease progression or unacceptable toxicity</i>
	<u>Combination with lenalidomide as maintenance treatment for transplant candidates</u> <ul style="list-style-type: none"> <li>▪ 16 mg/kg body weight given as an intravenous infusion every 4 or 8 weeks until disease progression or unacceptable toxicity. For a maximum of 2 years of maintenance treatment.</li> </ul>
Pediatric ALL	<ul style="list-style-type: none"> <li>▪ 16 mg/kg body weight given as an intravenous infusion in a 4-week cycle: <ul style="list-style-type: none"> <li>– Weekly Weeks 1 to 8 (eight doses; cycles 1 and 2)</li> </ul> </li> </ul>
	<u>Combination with bortezomib, cyclophosphamide, and dexamethasone for newly diagnosed disease OR repeat of initial therapy if relapse-free for several years.</u> <ul style="list-style-type: none"> <li>▪ 16 mg/kg body weight given as an intravenous infusion in a 4-week cycle: <ul style="list-style-type: none"> <li>– Weekly Weeks 1 to 8 (eight doses; cycles 1 and 2)</li> <li>– Every two weeks Weeks 9 to 24 (eight doses; cycles 3 to 6)</li> <li>– Every four weeks Week 25 and onwards (cycle 7 and beyond)</li> </ul> </li> </ul> <i>Treat until disease progression or unacceptable toxicity or a maximum of 2 years</i>
Systemic Light Chain Amyloidosis	<u>Treatment as one of the following:</u> <ul style="list-style-type: none"> <li>• Single agent therapy for relapsed/refractory disease, OR stage IIIb disease with no significant neuropathy and newly diagnosed OR repeat of initial therapy if relapse-free for several years.</li> <li>• Combination with lenalidomide and dexamethasone for relapsed/refractory disease</li> </ul> <ul style="list-style-type: none"> <li>▪ 16 mg/kg body weight given as an intravenous infusion in a 4-week cycle: <ul style="list-style-type: none"> <li>– Weekly Weeks 1 to 8 (eight doses; cycles 1 and 2)</li> <li>– Every two weeks Weeks 9 to 24 (eight doses; cycles 3 to 6)</li> <li>– Every four weeks Week 25 and onwards (cycle 7 and beyond)</li> </ul> </li> </ul> <i>Treat until disease progression or unacceptable toxicity</i>
*To facilitate administration, the first prescribed 16 mg/kg dose at Week 1 may be split over two consecutive days (i.e., 8 mg/kg on Day 1 and Day 2 respectively).	
Note: Initiate antiviral prophylaxis to prevent herpes zoster reactivation within 1 week after starting Darzalex and continue for 3 months following treatment.	

## VI. Billing Code/Availability Information

### HCPCS Code:

- J9145 – Injection, daratumumab, 10 mg; 1 billable unit = 10 mg

### NDC(s):

- Darzalex 100 mg/5 mL single-dose vial: 57894-0502-xx
- Darzalex 100 mg/5mL single-dose vial: 57894-0505-xx
- Darzalex 400 mg/20 mL single-dose vial: 57894-0502-xx
- Darzalex 400 mg/20 mL single-dose vial: 57894-0505-xx

## VII. References

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## Appendix 1 – Covered Diagnosis Codes

ICD-10	ICD-10 Description
C90.00	Multiple myeloma not having achieved remission
C90.01	Multiple myeloma in remission
C90.02	Multiple myeloma, in relapse
C90.10	Plasma cell leukemia not having achieved remission
C90.12	Plasma cell leukemia in relapse
C90.20	Extramedullary plasmacytoma not having achieved remission
C90.22	Extramedullary plasmacytoma in relapse
C90.30	Solitary plasmacytoma not having achieved remission

ICD-10	ICD-10 Description
C90.32	Solitary plasmacytoma in relapse
C91.00	Acute lymphoblastic leukemia not having achieved remission
C91.02	Acute lymphoblastic leukemia, in relapse
D47.9	Neoplasm of uncertain behavior of lymphoid, hematopoietic and related tissue, unspecified
D47.Z9	Other specified neoplasms of uncertain behavior of lymphoid, hematopoietic and related tissue
E31.9	Polyglandular dysfunction, unspecified
E85.3	Secondary systemic amyloidosis
E85.4	Organ-limited amyloidosis
E85.81	Light chain (AL) amyloidosis
E85.89	Other amyloidosis
E85.9	Amyloidosis, unspecified
G62.9	Polyneuropathy, unspecified
G90.9	Disorder of the autonomic nervous system, unspecified
L98.9	Disorder of the skin and subcutaneous tissue, unspecified
Z85.79	Personal history of other malignant neoplasms of lymphoid, hematopoietic and related tissues

## Appendix 2 – Centers for Medicare and Medicaid Services (CMS)

The preceding information is intended for non-Medicare coverage determinations. Medicare coverage for outpatient (Part B) drugs is outlined in the Medicare Benefit Policy Manual (Pub. 100-2), Chapter 15, §50 Drugs and Biologicals. In addition, National Coverage Determinations (NCDs) and/or Local Coverage Determinations (LCDs) may exist and compliance with these policies is required where applicable. Local Coverage Articles (LCAs) may also exist for claims payment purposes or to clarify benefit eligibility under Part B for drugs which may be self-administered. The following link may be used to search for NCD, LCD, or LCA documents: <https://www.cms.gov/medicare-coverage-database/search.aspx>. Additional indications, including any preceding information, may be applied at the discretion of the health plan.

Medicare Part B Covered Diagnosis Codes (applicable to existing NCD/LCD/LCA): N/A

Medicare Part B Administrative Contractor (MAC) Jurisdictions		
Jurisdiction	Applicable State/US Territory	Contractor
E (1)	CA, HI, NV, AS, GU, CNMI	Noridian Healthcare Solutions, LLC
F (2 & 3)	AK, WA, OR, ID, ND, SD, MT, WY, UT, AZ	Noridian Healthcare Solutions, LLC
5	KS, NE, IA, MO	Wisconsin Physicians Service Insurance Corp (WPS)
6	MN, WI, IL	National Government Services, Inc. (NGS)
H (4 & 7)	LA, AR, MS, TX, OK, CO, NM	Novitas Solutions, Inc.
8	MI, IN	Wisconsin Physicians Service Insurance Corp (WPS)
N (9)	FL, PR, VI	First Coast Service Options, Inc.

### Medicare Part B Administrative Contractor (MAC) Jurisdictions

Jurisdiction	Applicable State/US Territory	Contractor
J (10)	TN, GA, AL	Palmetto GBA
M (11)	NC, SC, WV, VA (excluding below)	Palmetto GBA
L (12)	DE, MD, PA, NJ, DC (includes Arlington & Fairfax counties and the city of Alexandria in VA)	Novitas Solutions, Inc.
K (13 & 14)	NY, CT, MA, RI, VT, ME, NH	National Government Services, Inc. (NGS)
15	KY, OH	CGS Administrators, LLC