

This guideline may contain custom content that has been modified from the MCG care guidelines and has not been reviewed or approved by MCG Health.

SHP Cell Enumeration

AUTH: SHP Medical 310 v3 (AC)

MCG Health
Ambulatory Care
25th Edition

[Link to Codes](#)

- Coverage
- Application to Products
- Authorization Requirements
- Description of Item or Service
- Exceptions and Limitations
- Clinical Indications for Procedure
- Document History
- Coding Information
- References
- Codes

Coverage

[Return to top of SHP Cell Enumeration - AC](#)

See the appropriate benefit document for specific coverage determination. Member specific benefits take precedence over medical policy.

Application to Products

[Return to top of SHP Cell Enumeration - AC](#)

Policy is applicable to all products.

Authorization Requirements

[Return to top of SHP Cell Enumeration - AC](#)

Pre-certification by the Plan is required.

Description of Item or Service

[Return to top of SHP Cell Enumeration - AC](#)

Cell enumeration lab test that counts tumor cells isolated from a blood sample and reporting findings such as malignant cells

Exceptions and Limitations

[Return to top of SHP Cell Enumeration - AC](#)

There is insufficient scientific evidence to support the medical necessity of this service as it is not shown to improve health outcomes upon technology review.

Clinical Indications for Procedure

[Return to top of SHP Cell Enumeration - AC](#)

- NA

Document History

[Return to top of SHP Cell Enumeration - AC](#)

- Revised Dates:
 - 2020: January
 - 2016: January, April
 - 2015: January, February, October
 - 2014: July, December
 - 2013: January, February, March, July, August, September
- Reviewed Dates:
 - 2022: May
 - 2021: May
 - 2020: June
 - 2019: June
 - 2018: April
 - 2016: June, July
- Effective Date: December 2012

Coding Information

[Return to top of SHP Cell Enumeration - AC](#)

- CPT/HCPCS codes covered if policy criteria is met:
 - None
- CPT/HCPCS codes considered not medically necessary per this Policy:
 - CPT 0091U - Oncology (colorectal) screening, cell enumeration of circulating tumor cells, utilizing whole blood, algorithm, for the presence of adenoma or cancer, reported as a positive or negative result
 - CPT 86152 - Cell enumeration using immunologic selection and identification in fluid specimen (eg, circulating tumor cells in blood)
 - CPT 86153 - Cell enumeration using immunologic selection and identification in fluid specimen (eg, circulating tumor cells in blood); physician interpretation and report, when required

References

[Return to top of SHP Cell Enumeration - AC](#)

References used include but are not limited to the following:

Specialty Association Guidelines; Government Regulations; Winifred S. Hayes, Inc; Uptodate; Literature Review; Specialty Advisors; National Coverage Determination (NCD); Local Coverage Determination (LCD).

(2022). Retrieved Apr 18, 2022, from EncoderPro: <https://www.encoderpro.com>

(2022). Retrieved Apr 18, 2022, from MCG 26th Edition: <https://careweb.careguidelines.com/ed26/index.html>

(2022). Retrieved Apr 18, 2022, from CMS - NCD: <https://www.cms.gov/medicare-coverage-database/view/ncd.aspx?ncdid=263&ncdver=3&keyword=Ultrasound&keywordType=starts&areald=all&docType=NCA,CAL,NCD,MEDCAC,TA,MCD,6,3,5,1,F,P&contractOption=all&sortBy=relevance&t>

(2022). Retrieved Apr 18, 2022, from DynaMed: <https://www.dynamed.com/results?q=Cell+enumeration&lang=en>

Billing and Coding: MolDX: Molecular Diagnostic Tests (MDT) A56853. (2022, Apr 17). Retrieved Apr 18, 2022, from CMS LCA Palmetto: <https://www.cms.gov/medicare-coverage-database/view/article.aspx?articleId=56853>

CellSearch Circulating Tumor Cell (CTC) Kit (Janssen Diagnostics LLC) For Monitoring Metastatic Breast Cancer - ARCHIVED Nov 23, 2017. (n.d.). Retrieved Apr 18, 2022, from Hayes: <https://evidence.hayesinc.com/report/htb.cellsearch>

CFR - Code of Federal Regulations Title 21 CFR866.6020 Immunomagnetic circulating cancer cell selection and enumeration system. (2022, Jan 6). Retrieved Apr 18, 2022, from FDA: <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcdfr/cfsearch.cfm?fr=866.6020>

Development and validation of circulating tumor cell enumeration (Epic Sciences) as a prognostic biomarker in men with metastatic castration-resistant prostate cancer. (2021, Jun). Retrieved Apr 18, 2022, from European Journal of Cancer: <https://pubmed.ncbi.nlm.nih.gov/33894633/>

G2124: Serum Tumor Markers for Malignancies. (2022). Retrieved Apr 18, 2022, from Avalon: <https://www.avalonhcs.com/policies-optimahealth/>

Genetic Testing for Single-Gene and Multifactorial Conditions. (2022, Mar 6). Retrieved Apr 18, 2022, from AIM Specialty Health: <https://guidelines.aimspecialtyhealth.com/single-gene-and-multifactorial-conditions-03-06-22/?highlight=Circulating+tumor+cell>

Local Coverage Determination (LCD) MolDX: Phenotypic Biomarker Detection in Circulating Tumor Cells L38566. (2021, Jul 25). Retrieved Apr 18, 2022, from CMS LCD: <https://www.cms.gov/medicare-coverage-database/view/lcd.aspx?lcdId=38566&ver=4>

Molecular Diagnostic Tests and Medicare (M00104, V3). (2022). Retrieved Apr 18, 2022, from Palmetto GBA: <https://palmettogba.com/palmetto/moldxv2.nsf/DIDC/9NKP9T2602~Technical%20Assessment>

Physician-Practitioner Manual. (2022, Jan). Retrieved Apr 18, 2022, from DMAS Provider Manuals: <https://vamedicaid.dmas.virginia.gov/manuals/physician-practitioner>

Recognition of immunodeficiency in the first three months of life. (2020, Mar 10). Retrieved Apr 18, 2022, from UpToDate: https://www.uptodate.com/contents/recognition-of-immunodeficiency-in-the-first-three-months-of-life?search=Cell%20enumeration&source=search_result&selectedTitle=12~150&usage_type=default&display_rank=12

Search results for Circulating tumor cell. (2022). Retrieved Apr 18, 2022, from NCCN Guidelines: <https://www.nccn.org/search-result?indexCatalogue=nccn-search-index&searchQuery=Circulating%20tumor%20cell&wordsMode=AllWords>

Codes

[Return to top of SHP Cell Enumeration - AC](#)

CPT® : 0091U, 86152, 86153

CPT copyright 2021 American Medical Association. All rights reserved.

MCG Health
Ambulatory Care 25th Edition