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## SHP Exhaled Breath Condensate (EBC ph)

AUTH: SHP Medical 286 v4 (AC)

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### Coverage

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

#### **Application to Products**

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Policy is applicable to all products.

### **Authorization Requirements**

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Pre-certification by the Plan is required.

### **Description of Item or Service**

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Exhaled Breath Condensate pH is a non-invasive method for collecting the condensation from exhaled air to monitor and measure pH values in the lungs, for inflammatory respiratory disorders.

### **Exceptions and Limitations**

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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**

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• NA

# **Document History**

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- · Revised Dates:
  - 2022: April (unarchived)
  - 2021: February, May, November (archived)
  - · 2020: May

  - 2016: April2014: October, November
  - · 2013: March, October
  - 2011: September
- · Reviewed Dates:
  - · 2023: March
  - 2020: February
  - 2018: December2017: December
  - · 2016: August
  - 2015: August
  - 2014: August
    2012: March

  - 2011: March
- · 2010: March • Effective Date: January 2010

## **Coding Information**

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- · CPT/HCPCS codes covered if policy criteria is met:
- · CPT/HCPCS codes considered not medically necessary per this Policy:
  - CPT 83987 pH; exhaled breath condensate

# References

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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

(2022, Aug 31). Retrieved Feb 17, 2023, from MCG: https://careweb.carequidelines.com/ed26/index.html

(2023). Retrieved Feb 17, 2023, from Hayes, Inc.: https://evidence.hayesinc.com/search?q=%257B%2522text%2522:xx182522exhaled%2520breath%2520condensate%2522,%2522title%2522:null,% 2522termsource%2522:%252searchbar%2522,%2522page%2522:%257B%2522page%2522:0,%2522size%2522:50%257D,%2522type%2522:%2522all%2522,%

 $(2023). \ Retrieved\ Feb\ 17,\ 2023,\ from\ Up To Date:\ https://www.up to date.com/contents/search?search=exhaled \% 20 breath \% 100 breath \% 110 breath \% 110$ 

20condensate&sp=0&searchType=PLAIN TEXT&source=USER INPUT&searchControl=TOP PULLDOWN&searchOffset=1&autoComplete=false&language=&max=0&index=&autoCompleteTerm=&rawSent

(2023). Retrieved Feb 17, 2023, from Centers for Medicare and Medicaid Services: https://www.cms.gov/medicare-coverage-database/search-results.aspx? hcpcs/Option=code&hcpcs/StartCode=83987&hcpcsEndCode=83987&sortBy=title&areald=s53&docType=6,3,5,1,F,P&contractOption=all

(2023). Retrieved Feb 17, 2023, from AIM Specialty Health: https://aimspecialtyhealth.com/resources/clinical-guidelines/

(2023). Retrieved Feb 17, 2023, from National Comprehensive Cancer Network: https://www.nccn.org/search-result?indexCatalogue=nccn-search-index&searchQuery=exhaled%20breath%20condensate

(2023). Retrieved Feb 17, 2023, from Department of Medical Assistance Services: https://www.dmas.virginia.gov/for-providers/rates-and-rate-setting/procedure-fee-files-cpt-codes/#searchCPT

(2023). Retrieved Feb 17, 2023, from Google, Inc: https://www.google.com/search?

q=Professional+recommendations+for+exhaled+breath+condensate+testing&rlz=1C1GCEA\_enUS982US982&oq=Professional+recommendations+for+exhaled+breath+condensate+testing&aqs=chrome..69if

Class I and Class II Device Exemptions. (2022, Feb 23). Retrieved Feb 17, 2023, from Food and Drug Administration: https://www.fda.gov/medical-devices/classify-your-medical-device/class-ii-and-class-iidevice-exemptions

Ghelli, F., Panizzolo, M., Garzaro, G., Squillacioti, G., Bellisario, V., Colombi, N., . . . Bono, R. (2022, Aug 29). Inflammatory Biomarkers in Exhaled Breath Condensate: A Systematic Review. Retrieved Feb 17, 2023, from PubMed: https://pubmed.ncbi.nlm.nih.gov/36077213/

(2022). Retrieved Apr 05, 2022, from DynaMed: https://www.dynamedex.com/results?q=Exhaled+breath+condensate&lang=en

(2022). Retrieved Apr 05, 2022, from PubMed: https://pubmed.ncbi.nlm.nih.gov/?term=exhaled+breath+condensate+ph&filter=simsearch2.ffrft&filter=years.2021-2021

Smith, D., & Amin, R. (2021, May 19). Cardiovascular consequences of obstructive sleep apnea in children. Retrieved Apr 05, 2022, from UpToDate: https://www.uptodate.com/contents/cardiovascular-consequences-of-obstructive-sleep-apnea-in-children?search=Exhaled%20breath%20condensate%20&source=search result&selectedTitle=1~150&usage type=default&display rank=1

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