

Lab Updates

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December 2010

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UMassMemorial

Laboratories

Discontinuation of Dog Epithelium-Specific IgE Test

Most patients who demonstrate symptoms upon exposure to an allergen have immunoglobulin E (IgE) antibodies that specifically recognize that allergen. UMass Memorial Labs use a quantitative immunoassay method (ImmunoCAP) for determination of allergen-specific IgE in the serum.

Effective January 3, 2011, UMass Memorial Laboratories will discontinue testing for dog epithelium-specific IgE (mnemonic AE2). The discontinuation of this product by the manufacturer was based on a regulation that precludes the use of dog epithelium in any product. UMass Memorial Laboratories will continue to offer the dog dander-specific IgE test (mnemonic AE5), which is the test most commonly used to assess dog allergies.

For any questions regarding methodology and interpretations, please contact:

- Dr. M. Rabie Al-Turkmani, Associate Director of Immunology, Immunoassay & Hematology at 774-442-9663 or via email at MRabie.Alturkmani@umassmemorial.org
- Dr. L.V. Rao, Senior Director of Clinical Lab Operations & Director of Core Laboratories at 774-442-9615 or via email at Lokinendi.Rao@umassmemorial.org
- Ms. Rachel Ambacher, Manager of Immunology & Immunoassay at 774-442-9065 or via email at Rachel.Ambacher@umassmemorial.org



Photo: Kevin Vance

UMass Memorial Medical Center Laboratories

One Biotech Park, Suite 200
365 Plantation Street Worcester, MA 01605-2376
800-476-4431 or 508-334-2863 FAX: 508-334-4210
Email: LabsCS@ummhc.org

L. Michael Snyder, M.D.
*Chairman, Dept. of Hospital Laboratories
Professor of Medicine and Pathology
University of Massachusetts Medical School*

Dr. L.V. Rao
*Senior Director, Clinical Lab Operations
Director, Core Labs & Immunology
Medical Center customer liaison*

Betsy Harder
*Senior Director, Lab Outreach Program
Non-Medical Center customer liaison*

Changes in Alpha-1- Antitrypsin (A1A) and Complement Component 3 (C3) Reference Ranges

Effective January 10, 2011, the reference ranges for alpha-1-antitrypsin (A1A) and complement component 3 (C3) will change.

A1A is the chief protease inhibitor in human serum. This acute phase protein is synthesized by the liver and inhibits trypsin, elastin, as well as several other proteases. The loss of A1A results in degradation of the connective protein elastin in lung alveoli and increases the risk for developing severe lung disease during early adulthood. Congenital deficiency of A1A is associated with the development of emphysema at an unusually early age and increased incidence of neonatal hepatitis, usually progressing to cirrhosis.

C3 is part of the complement system that provides an innate defense mechanism against pathogenic organisms. This system consists of plasma enzymes, regulatory proteins, and proteins activated in a cascade fashion, resulting in cell lysis. Complement activation can occur via three different pathways: classic, mannose-binding lectin (MBL), and alternative. C3 cleavage by each pathway leads to activation of C5-9. Measurement of C3 aids in the diagnosis of immunologic disorders, especially those associated with deficiencies of complement components. C3 deficiency has also been associated with infection, often severe, particularly with encapsulated bacteria.

The changes in A1A and C3 reference ranges were based on a study that was carried out to verify reference intervals for

the tests performed at the UMass Memorial Immunology and Immunoassay labs. The study was performed using samples obtained from apparently healthy blood donors. Reference ranges for all Immunology & Immunoassay analytes were verified and new ranges were established for A1A and C3. The methodologies used to measure these two analytes have not changed. Please note the new ranges in the table below.

Test	Current Reference Range	New Reference Range
A1A	88–174 mg/dL	93–209 mg/dL
C3	79–152 mg/dL	80–195 mg/dL

For any questions regarding methodology and interpretations, please contact:

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- Dr. L.V. Rao, Senior Director of Clinical Lab Operations & Director of Core Laboratories at 774-442-9615 or via email at Lokinendi.Rao@umassmemorial.org
- Ms. Rachel Ambacher, Manager of Immunology & Immunoassay at 774-442-9065 or via email at Rachel.Ambacher@umassmemorial.org



UMass Memorial Laboratories Patient Service Center Locations

Worcester PSC Locations

Belmont Street PSC

67 Belmont St.
Worcester, MA 01605
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-334-5396

City Hospital Campus PSC

26 Queen St., 1st Floor
Worcester, MA 01610
Mon, Tue, Wed, Fri 8:30am - 5:00pm
Thur 8:30 - 1:00pm
Closed 12:00pm - 12:00pm
508-334-7881

Eastern Avenue Patient Service Center

21 Eastern Ave., 1st Floor
Worcester, MA 01605
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-755-8550

Grove Medical PSC

26 Queen St., 6th Floor
Worcester, MA 01610
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-334-0275

Hahnemann Professional PSC

291 Lincoln St., Suite 100
Worcester, MA 01605
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-334-8208

Lincoln Street PSC

121 Lincoln St., Unit 13
Worcester, MA 01605
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-751-4685

Medical Office Building

25 Oak Ave.
Worcester, MA 01605
Mon–Fri 8:00am - 5:00pm
508-792-3656

Medical Office Building PSC

116 Belmont St.
Worcester, MA 01605
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-753-6854

Plantation Street PSC

338 Plantation St.
Worcester, MA 01604
Mon–Fri 7:30am - 4:00pm
Closed 12:00pm - 12:30pm
508-755-4896

Vernon Medical Center PSC

10 Winthrop St.
Bldg. #1, 3rd Floor
Worcester, MA 01604
Mon–Fri 7:00am - 6:00pm
508-754-8268

Vernon Medical Center PSC

10 Winthrop St.
Bldg. #2, 1st Floor
Worcester, MA 01604
Mon–Fri 8:00am - 5:00pm
508-831-0624

West Boylston Street PSC

1 West Boylston St.
Worcester, MA 01605
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-853-1208

Central Massachusetts Locations

Clinton PSC

Clinton Hospital
201 Highland St.
2nd Floor, Suite 1
Mon–Fri 7:00am - 5:00pm
Clinton, MA 01510
978-368-3704

Douglas PSC

15 West St.
Douglas, MA 01516
Mon–Fri 8:00am - 12:00pm
508-476-2365

Fitchburg/Ashby State Road PSC

26 Ashby State Rd.
Fitchburg, MA 01420
Mon, Thurs & Fri 8:00am - 5:00pm
Tues & Wed 8:00am - 8:00pm
978-345-1351

Fitchburg PSC

HealthAlliance/Burbank Hospital Campus
275 Nichols St., 4th Floor
Fitchburg, MA 01420
Tues, Wed, & Thurs 8:30am - 9:00pm
Mon & Fri 8:30am - 5:30pm
Closed 12:30pm - 1:30pm
978-878-8352

Fitchburg/South Street PSC

881 South St.
Fitchburg, MA 01420
Mon–Fri 6:00am - 3:00pm
Closed 11:30pm - 12:30pm
978-343-4861

Fitchburg/Summer Street PSC

76 Summer St., Suite 110
Fitchburg, MA 01420
Mon–Fri 7:30am - 4:00pm
Closed 1:00pm - 1:30pm
978-342-0691

UMass Memorial Laboratories Patient Service Center Locations

Central Massachusetts Locations

Holden PSC

52 Boyden St.
Holden, MA 01520
Mon–Fri 7:00am - 4:30pm
Closed 12:30pm - 1:00pm
508-829-8262

Lancaster PSC

136 High St. Ext
Lancaster, MA 01523
Mon–Fri 8:00am - 5:00pm
Closed 12:00pm - 1:00pm
978-368-1683

Lawrence PSC

354 Merrimack St.
2nd Floor, Bldg. C
Lawrence, MA 01843
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
978-725-6650

Leominster PSC

14 Manning Ave., 4th Floor
Leominster, MA 01453
Mon–Fri 8:30am - 5:00pm
Closed 12:00pm - 1:00pm
978-466-9625

Leominster, North Main Street PSC

85 North Main St.
Leominster, MA 01453
Mon–Fri 8:00am - 5:00pm
Closed 12:30pm - 1:30pm
978-537-2479

Marlborough/Bolton Street PSC

320 Bolton St., Suite G1
Marlborough, MA 01752
Mon–Fri 8:00am - 5:00pm
Closed 11:15am - 12:15pm
508-229-0574

Marlborough/Lakeview PSC

640 Bolton St.
Marlborough, MA 01752
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-303-1990

Marlborough/Maple Street PSC

340 Maple St.
Marlborough, MA 01752
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-229-7847

Milford PSC

91 Water St.
Milford, MA 01757
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-482-9210

Northborough PSC

112 Main St.
Northborough, MA 01532
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-393-3704

Rutland PSC

55B Maple Ave.
Rutland, MA 01543
Mon–Fri 6:30am - 3:00pm
Closed 12:00pm - 1:00pm
Rutland, MA 01543
508-886-7480

Shrewsbury/Julio Drive PSC

26 Julio Dr.
Shrewsbury, MA 01545
Mon–Fri 8:00am - 5:00pm
Closed 12:00pm - 1:00pm
508-845-3615

Shrewsbury/Main Street PSC

604 Main St.
Shrewsbury, MA 01545
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-845-6521

Sterling Village PSC

50 Leominster Rd., Unit 15
Sterling, MA 01564
Mon–Tues 12:00pm - 4:30pm
Closed Wed
Thurs–Fri 8:00am - 4:30pm
Closed 12:00pm - 12:30pm
978-422-5109

Westborough/East Main Street PSC

33 East Main St.
Westborough, MA 01581
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-366-2838

Westborough/Main Street PSC

154 Main St.
Westborough, MA 01581
Mon 7:30am - 5:00pm
Tues–Thurs 8:30am - 5:00pm
Fri 7:00am - 4:00pm
Closed 12:30pm - 1:30pm
508-836-3674

UMass Memorial Laboratories Patient Service Center Locations

Eastern Massachusetts Locations

Brockton PSC

1073 Pleasant St.
Brockton, MA 02301
Mon–Fri 8:00am - 5:00pm
508-559-2158

Brookline PSC

1180 Beacon St., LLC
Brookline, MA 02446
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
617-232-1910

Dorchester/Harvard Street PSC

632 Blue Hill Ave.
Dorchester, MA 02121
Mon & Wed 8:30am - 8:30pm
Tues, Thurs & Fri 8:30am - 5:30pm
617-265-6016

Framingham PSC

61 Lincoln St., 2nd Floor
Framingham, MA 01702
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-370-7259

Hyannis PSC

700 Attucks Lane, Suite 1D
Hyannis, MA 02601
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
508-790-5723

North Andover/Chestnut Green Turnpike Street PSC

565 Turnpike St., Suite 83
North Andover, MA 01845
Mon–Fri 7:30am - 5:30pm
Closed 12:15pm - 1:15pm
978-989-9472

North Andover/Andover Street PSC

451 Andover St., Suite 206
North Andover, MA 01845
Mon–Thurs 7:30am - 4:30pm
Fri 7:00am - 4:00pm
Closed 12:15pm - 1:15pm
978-989-9238

Raynham PSC

675 Paramount Dr., Suite 102
Raynham, MA 02767
Mon–Fri 7:30am - 5:00pm
Closed 12:00pm - 1:00pm
Sat 8:00am - 1:00pm
508-824-0838

Waltham/Hope Avenue PSC

20 Hope Ave., Suite G03
Waltham, MA 02453
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
781-899-2586

Waltham/Lexington Street PSC

6 Lexington St., 2nd Floor
Waltham, MA 02453
Mon–Fri 8:00am - 4:30pm
Closed 12:00pm - 12:30pm
781-647-0352

Wilmington PSC

64 Concord St., Suite D
Wilmington, MA 01887
Mon–Fri 8:30am - 5:00pm
Closed 12:30pm - 1:00pm
978-694-1581

Connecticut Locations

Branford/Stony Creek PSC

6 Business Park Dr Suite 203
Branford, CT 06405
Mon–Fri 7:30am - 4:00pm
Closed 12:30pm - 1:00pm
203-315-4907

East Hartford PSC

580 Burnside Ave., Suite 1
East Hartford, CT 06108
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
860-610-0386

Enfield PSC

Enfield Professional Park
139A Hazard Ave., Bldg. #4, Suite 15
Enfield, CT 06082
Mon–Fri 7:30am - 4:30pm
Closed 12:15pm - 1:15pm
860-763-0136

Hartford PSC

21 Woodland St., Suite 210
Hartford, CT 06105
Mon–Fri 7:00am - 4:00pm
Closed 12:15pm - 1:15pm
860-247-0085

Opening Soon Manchester PSC

353 Main St.
Manchester, CT 06040
Hours: TBD
860-000-TBD

Meriden PSC

The Beeches
816 Broad St., Bldg. 3, Suite 10
Meriden, CT 06450
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
203-379-0112

Norwich PSC

79 Wawecus St.
Norwich, CT 06360
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
860-823-1817

Norwich/Towne Park PSC

1 Towne Park Plaza
Norwich, CT 06360
Mon–Fri 7:00am - 4:00pm
860-859-1206

Plainville PSC

7 North Washington St.
Suite 107
Plainville, CT 06062
Mon–Fri 7:00am - 5:30pm
860-410-1892

UMass Memorial Laboratories Patient Service Center Locations

New Hampshire Locations

Exeter PSC

19 Hampton Rd., Unit 10-B
Exeter, New Hampshire 03833
Mon–Fri 7:00am - 4:00pm
Closed 12:15pm - 1:15pm
603-775-0165

Somersworth PSC

21 Clark Way, Suite 2
Somersworth, NH 03878
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
603-692-5855

Rhode Island Locations

Cumberland PSC

106 Nate Whipple Highway
Suite 103
Cumberland, RI 02864
Mon–Fri 7:00am - 4:00pm
Closed 12:15pm - 1:15pm
401-658-1594

Cranston/Atwood Ave PSC

673 Atwood Ave.
Cranston, RI 02864
Mon–Fri 7:30am - 4:00pm
Closed 12:30pm - 1:00pm
401-942-3238

Edgewood Medical PSC

251 Park Ave., Lower Level
Cranston, RI 02905
Mon–Fri 8:30am - 5:00pm
Closed 12:30pm - 1:00pm
401-780-9740

East Cranston PSC

934 Park Ave.
Cranston RI 02910
Mon–Fri 9:30am - 6:00pm
Sat 9:00am - 5:00pm
401-780-6746

North Cranston PSC

1596 Broad St.
Cranston RI 02905
Mon–Fri 8:30am - 5:00pm
Closed 1:00pm - 2:00pm
401-461-4750

East Greenwich PSC

688 Frenchtown Rd.
East Greenwich, RI 02818
Mon–Fri 7:00am - 4:00pm
Closed 12:15pm - 1:15pm
401-884-0160

Johnston Atwood PSC

1524 Atwood Ave., Suite 344
Johnston, RI 02919
Mon–Fri 9:00am - 4:00pm
Closed 12:15pm - 1:15pm
401-272-3712

East Providence PSC

2761 Pawtucket Ave.
East Providence, RI 02914
Mon–Fri 7:30am - 4:00pm
Closed 12:30 - 1:00pm
Wed 7:30am - 12:00pm
Sat by appointment:
8:00am - 12:00pm
401-431-6060

North Providence PSC

1830 Mineral Spring Ave.
North Providence, RI 02904
Mon–Fri 8:00am - 8:00pm
Sat–Sun 8:00am - 4:00pm
401-353-7220

Pawtucket Beechwood PSC

109 Beechwood Ave.
Pawtucket, RI 02860
Mon–Fri 8:30am - 5:00pm
Closed 12:00pm - 1:00pm
401-729-7550

Pawtucket/Benefit Street PSC

139 Benefit St.
Pawtucket, RI 02860
Mon, Tues, Wed & Fri 8:30am - 4:00pm
Closed 12:00pm - 1:00pm
Sat by appointment:
8:00am - 12:00pm
401-729-7425

Pawtucket Prospect Street PSC

59 Prospect St., Suite B
Pawtucket, RI 02860
Tue 8:00am - 5:00pm
Closed 1:00pm - 2:00pm
Sat by appointment:
8:00am - 2:00pm
401-475-6406

Warwick/Tollgate PSC

215 Tollgate Rd., Suite 202
Warwick, RI 02866
Mon–Fri 8:00am - 5:00pm
Closed 12:15pm - 1:15pm
401-738-1363

Westerly Urgent Care PSC

77 Franklin St., Suite A
Westerly, RI 02891
Mon–Fri 7:00am - 4:00pm
Closed 12:15pm - 1:15pm
401-596-8075

Please note that hours are subject to change



UMassMemorial

Laboratories

UMass Memorial
Medical Center Laboratories
One Biotech Park, Suite 200
365 Plantation Street
Worcester, MA 01605-2376

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This publication is made possible by Kevin Vance, Senior Director, Business Development and Marketing



Photo: Kevin Vance

UMass Memorial Laboratories operates three laboratories in Worcester, Massachusetts, including a regional laboratory that is located in 38,000 square feet of state-of-the-art lab space in the Biotech Park, as well as laboratories at the University campus and Memorial campus of UMass Memorial Medical Center.