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ASHRAE Lab Guide-2001 : 4-12 ; The ASHRAE Laboratory Design Guide includes suggestions relating to the following: • Minimum supply air changes

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Lab Ventilation ACH Rates Standards and Guidelines January 3, 2012 White Paper Series Page 2 1.0 Introduction This document provides an overview of current US and European design practices, standards, and regulations regarding laboratory air change rate

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minimums for dilution ventilation. 2.0  
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H. ASHRAE Laboratory Design Guide,  
2015 I. American Chemical Society's  
Committee on Chemical Safety:  
Identifying and Evaluating Hazards in

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Research Laboratories, 2015 J. Fuel Gas Code K. Institute of Laboratory Animal Resources, "Guide for the Care and Use of Laboratory Animals." L. International Fire Code

## **LABORATORY VENTILATION PART 1 GENERAL**

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standards specific to labs are ANSI/AIHA/ASSE Z9.5, IECC or ASHRAE 90.1, ASHRAE Laboratory Design Guide, NIH Design Policy and Guidelines, NFPA 30, NFPA 45, NFPA 90A: Standard for the Installation of Air-Conditioning and Ventilating Systems, and NFPA 101: Life Safety Code, to name a few.

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ASU Laboratory Standard & Design  
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41.2, Standard Method for Laboratory Air-  
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