



## Air Exchange Table

### Time Needed (by Number of Air Changes per Hour) to Remove Airborne Microorganisms

Air changes per hour	Minutes Required for Removal of Airborne Microorganisms	
	99%	99.9%
2	138	207
4	69	104
6	46	69
12	23	35
15	18	28
20	14	21
50	6	8

This table was adapted from the CDC recommendations: Centers for Disease Control and Prevention. Guidelines for preventing the transmission of Mycobacterium tuberculosis in health-care settings. MMWR 2005;54:1-142. Available at: <http://www.cdc.gov/mmwr/PDF/rr/rr5417.pdf>.