

PERSONNEL GOWNING AND MAINTENANCE IN A MINIENVIRONMENT

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Abstract

This experiment investigates, through techniques originated in previously published experiments, the relationship of maintenance activities, personnel gowning, ambient conditions, and minienvironment isolation performance. This investigation provides information on the ability of a minienvironment system to operate in a nominal U.S. Class 1,000 or U.S. Class 10,000 room condition with reduced levels of worker gowning. This capability could result in substantial facilities cost savings in future factory designs. The experiment includes additional variations in personnel gowning and ambient conditions which were not included in previously published work.