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**Contamination Control Division  
Recommended Practice 018.4**

**IEST-RP-CC018.4**

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**Cleanroom Housekeeping:  
Operating and Monitoring  
Procedures**

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**INSTITUTE OF ENVIRONMENTAL SCIENCES AND TECHNOLOGY**

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# Cleanroom Housekeeping: Operating and Monitoring Procedures

## IEST-RP-CC018.4

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# Cleanroom Housekeeping: Operating and Monitoring Procedures

## IEST-RP-CC018.4

### 1 SCOPE AND LIMITATIONS

#### 1.1 Scope

This Recommended Practice (RP) provides guidance for maintaining a cleanroom at the level for which it was designed. This document is intended as a guide for establishing appropriate housekeeping procedures essential for the overall contamination control program of the cleanroom. In addition, test procedures are provided for use in establishing the frequency of housekeeping and monitoring the effectiveness of the housekeeping.

The test methods also are designed to help determine appropriate levels of surface cleanliness for specific cleanrooms.

#### 1.2 Limitations

This RP does not specify acceptance limits, but does provide standard terminology for specifying desired limits.

**NOTE:** References to “clean room” in this document are to be construed, when appropriate, as including clean zones and clean-air devices.

### 2 REFERENCES

The cited editions of the following documents are incorporated into this RP to the extent specified herein. Users are encouraged to investigate the possibility of applying the most recent editions of the references.

#### 2.1 American Society for Testing and Materials (ASTM)

*ASTM F24-04: Standard Method for Measuring and Counting Particulate Contamination on Surfaces*

#### 2.2 Institute of Environmental Sciences and Technology (IEST)

*IEST-RP-CC003.3: Garment System Considerations in Cleanrooms and Other Controlled Environments*

*IEST-RP-CC004.3: Evaluating Wiping Materials Used in Cleanrooms and Other Controlled Environments*

*IEST-RP-CC005.3: Gloves and Finger Cots Used in Cleanrooms and Other Controlled Environments*

*IEST-RP-CC007.1: Testing ULPA Filters*

#### 2.3 International Organization for Standardization (ISO)

*ISO 14644-1:1999 Cleanrooms and associated controlled environments—Part 1: Classification of air cleanliness*

#### 2.4 United States Pharmacopeia (USP)

*USP30-NF25: The United States Pharmacopeia and National Formulary*

#### 2.5 Sources and Addresses

##### ASTM

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