~~2025-03-06~~

ISO/FDIS 5371~~:2025(en)~~

ISO/TC 142

Secretariat: UNI

Date: 2025-04-14

Containment high efficiency filtration unit (CHEFU) in ventilation system of biosafety facilities

Unités de filtration à très haute efficacité de confinement (CHEFU) dans le système de ventilation des installations de biosécurité

FDIS stage

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Published in Switzerland

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This document was prepared by Technical Committee ISO/TC 142, *Cleaning equipment for air and other gases*.

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Introduction

In laboratories and facilities dealing with critical or hazardous biological materials, such as biosafety laboratories, vaccine manufacturing facilities and animal laboratory facilities, the removal of airborne bio-aerosols in the facilities that are released to the surrounding environment is always a major concern. In general, containment high efficiency filtration units (CHEFU) are used for such purpose. When installed in the terminal outlet within the room, the required maintenance such as the decontamination and replacement of filters, are performed in the containment room, e.g. the high-level biosafety lab. When installed in the ventilation duct, all maintenance activities can be performed in the low-risk servicing area and a special design for in situ decontamination or containment filter replacement measures needs to be put in place. This document provides suppliers and users with basic performance requirements and test methods to validate the performance of the devices.