

## Cleaning and Disinfection – Cleaning

### Lesson Objectives:

At the end of this lesson, you should be able to list and sequence the various cleaning terms and procedures at Biogen.

### Cleaning considerations

Reliable and effective cleaning is paramount at Biogen since cleaning

takes place here, and so everyone need also be familiar with the

various

terms and

.

### Distinctive terms for cleaning

For the sake of accuracy, it is useful to distinguish between the following commonly used terms:

- To '**clean**' involves using detergents, , or other cleaning

agents to remove dirt, impurities, or extraneous matter from particular

. This process, however, does not eliminate most infectious

;

- To '**disinfect**' means applying  products that kill potentially

microorganisms as well as some types of spores;

- To 'sterilise' means using heat or steam, which destroys microorganisms, spores and .

### Program and guidelines for cleaning procedures

- The use of non-cleanroom specified cleaning  is to be avoided.
- DI water (deionised water) is preferable for  all surfaces, , walls, and benches.
- The use of scrubs, rags and powder  and surfactants in the cleanroom is prohibited, since these shed  like woven polyester, which produce shedding or tearing during cleaning.

The use a moveable autoclave multi-bucket  system on non-marring wheels, and deep-drawn seamless buckets, is designated for clean- &/dirty-water control.

- Floors are to be damp-mopped using distilled\* water daily, before  work shifts.
- Floors are to be damp-mopped weekly with a clean-room detergent and distilled , and with a HEPA (high efficiency particulate air) filter vacuum-cleaner.
- Walls are to be vacuumed daily.
- Walls are wiped once, weekly, with a damp clean-room sponge using distilled water.

- Windows and clean-room pass-throughs are to be [ ] and [ ] dry daily with lint-free 70% IPA wipes.
- Ceilings are to be vacuumed daily, wiped with a damp sponge and distilled water weekly, before being vacuum-dried.
- If necessary, ceilings are to be washed with detergent and distilled water to remove any remains.
- All daily [ ] except for floors may be performed during regular work shifts.
- Overhang light lenses and troffer light fixtures need be wiped with a damp [ ] and distilled water weekly, and then vacuum dried.
- Sticky-mats in the cleanroom should be replaced without hesitation, when showing [ ] on it.

\*

[ ] **water** is water that has been boiled so that it evaporates and then re-condensed, leaving most impurities behind. [ ] **(DI) water** is water that has been treated to remove all [ ] – typically, that means all dissolved [ ] salts are gone.

**Aufgabe Lückentext:**

**Folgende Wörter bitte in den Lückentext einfüllen.**

**Jedes Wort kommt einmal vor.**

**Bitte Gross- und Kleinbuchstaben beachten.**

agents, constantly, cleaning, cleanings, chemical, Distilled, Deionised, dirt, detergents, floors, infectious, ions, mineral, mopping, microorganisms, particles, processes, regular, solvents, scrubbing, sponge, surfaces, viruses, water, wiped, washed