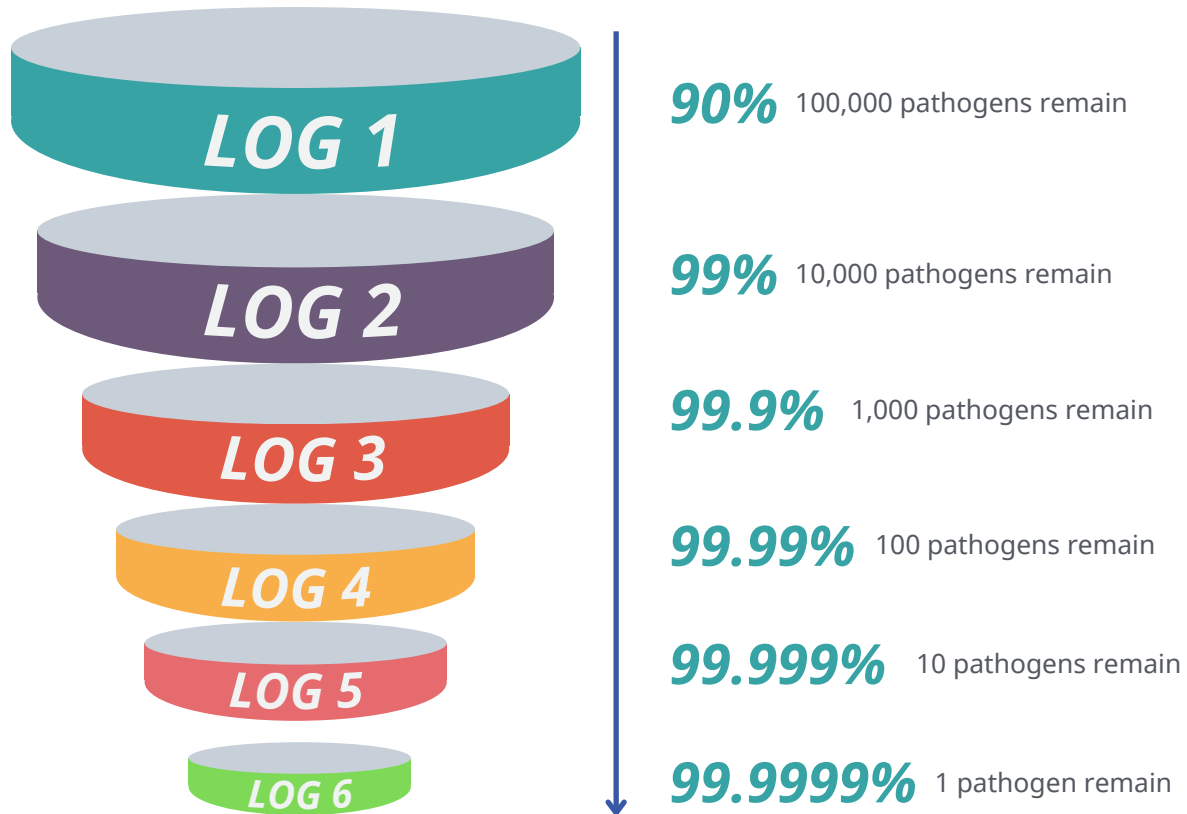


# Spotlight on...Log Reduction

## Definition

Log reduction in disinfection measures the **decrease in the number of microorganisms**, such as bacteria or viruses, expressed in **logarithmic scale**, highlighting the **effectiveness of a disinfectant** in reducing the microbial population.



## What does it mean?

Log reduction is a measure often presented as a percentage, with each "**log**" indicating a 90% reduction in the number of microorganisms. To illustrate, a **1-log reduction implies a 90% decrease**, a **2-log reduction equates to a 99% reduction**, and the pattern continues.

## Why is it important?

The **higher** the log reduction, the **more successful the disinfection process** is at **eliminating harmful pathogens**.



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