

Production of Sterile Water for Injection. WFI (Water for Injection) Manufacturing. Water for Pharmaceutical Purposes.

Description:

Sterilized Water is water that has been sterilized, to ensure an absence of any bacteria in the water. It is used for mixing infant formula for babies, for people with compromised immune systems, and to dilute or dissolve water soluble drugs for injections.

Sterile water is water that has no microorganisms living within it. As it cannot transfer pathogens, it is used mainly in the medical setting. Sterile water, though sometimes distilled, is not the same thing as distilled water. As some microorganisms can survive at high temperatures, simply boiling water may not be enough to sterilize it. Special, but not uncommon, equipment is required if one wishes to sterilize water.

This kind of water is free of all microbial life. As sterilized water does not contain the same amount of dissolved salt as the human body, overhydration would occur if a physician used the water as an irrigation fluid during surgery or other invasive medical procedures. The value of sterile water is its ability to act as a solvent in many pharmacological compounds that physicians will eventually inject into patients. The water is also a tool in helping physician's clean wounds without putting patients at risk for infection.

Water that is sterile plays a large role in medical research. In many cases, water is necessary to study microorganisms. Using this water is required in these and other experiments as normal or even distilled water may introduce outside bacteria into the experiment. This contamination would invalidate all test results and put other experiments in the same laboratory at risk. Therefore, sterile water is the only acceptable water for laboratory research.

For more details download PDF file.

Keywords: Preparation Process for Water for Injection, Sterile Water for Injection, Production of Water for Injection, Sterilised Water for Injections, Production of Sterile Water for Injection, Manufacturing of Water for Injection, Preparation of Water for Injection, Preparation of Sterile Water for Injection, Pharmaceutical Water, Preparing Sterile Intravenous Products, Preparation of Pharmaceutical Water, Water for Injection in Pharmaceutical Industry, Sterile Pharmaceutical Products, Water for Pharmac

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