

Biogen Specific Teaching Material

Buffer and Media Preparation – Types of Water





Questions & Answers

Buffer and Media Preparation – Types of Water

1. All countries worldwide follow the same legal directives for water sanitation and management. (true or false?)

Buffer and Media Preparation – Types of Water

1. False. Only Europe and the USA (and possibly China) apply strict legal standards (with the possibility of law enforcement).

Buffer and Media Preparation – Types of Water

2. In 2017, a revised monograph for Water for Injections (WFI) was introduced and approved for what purpose?

Buffer and Media Preparation – Types of Water

2. The monograph's revision meant that it could now be used for the production of distillation coupled with various other filtration and purification techniques.

Buffer and Media Preparation – Types of Water

3. What makes water so unique in the pharmaceutical branch?

Buffer and Media Preparation – Types of Water

3. Water's ability to dissolve, absorb or suspend many different compounds, through its polarity and hydrogen bonds.

Buffer and Media Preparation – Types of Water

4. Which areas of the body can water (i.e. WFI) be injected ?

Buffer and Media Preparation – Types of Water

4. It may be injected into a vein, muscle or under the skin. (any of those)

Buffer and Media Preparation – Types of Water

5. Name at least two possible uses for potable water in the early stages of the production of pharmaceutical products.

Buffer and Media Preparation – Types of Water

5. Possible answers: Washing of equipment, rinsing of containers and in analytical reagents.

Buffer and Media Preparation – Types of Water

6. Which body of literature states the requirements or guidance of water for pharmaceutical use (WPU)?

Buffer and Media Preparation – Types of Water

6. You find it in national, regional and international pharmacopoeias.

Buffer and Media Preparation – Types of Water

7. When both dose and monomer levels exceed the given official limits (i.e. for Acrylamide & Epichlorohydrin), what must a public water system (such as Swiss TPH) do?

Buffer and Media Preparation – Types of Water

7. A public water system must apply and certify a treatment technique (TT)

Buffer and Media Preparation – Types of Water

8. What do the following symbols stand for: Fe, Cu, Se and Pb?

Buffer and Media Preparation – Types of Water

8. Fe = iron, Cu = copper, Se = selenium, Pb = lead

Buffer and Media Preparation – Types of Water

9. Who is expected to carry out testing the quality of potable water used for pharmaceutical purposes?

Buffer and Media Preparation – Types of Water

9. The manufacturer must carry out the testing.

Buffer and Media Preparation – Types of Water

10. Water's unique properties, which allow it to dissolve, absorb or suspend many different compounds, through its polarity and hydrogen bonds, makes it

Buffer and Media Preparation – Types of Water

10. a potential health hazard as it can also carry potentially harmful contaminants.

11. Which type(s) of water approved by the European Drinking Water Directive are used in the production of today's pharmaceutical products?

11. Water for Injection (WFI)

Buffer and Media Preparation – Types of Water

12. WFI is only available as prescribed medication. (true or false?)

Buffer and Media Preparation – Types of Water

12. False (WFI is also available as an over-the-counter product).

Thank you for your attention!

D-SCHULE – Your Language School



D-SCHULE
Domenika Hüsler
info@d-schule.ch
+41 79 730 52 35