

# Manufacturing

## How to dissolve powder medium

- Use ultra pure water (pyrogen free, deionized) with a temperature of 20°C - 37°C to dissolve the powder medium
- Prepare a water volume that is approximately 10% lower than the final volume.
- Add powder into prepared water while stirring constantly until the prescribed quantity of dry medium is completely dissolved.
- Add NaHCO<sub>3</sub> to the medium, continue stirring until completely dissolved.
- Add additional ultra pure water to adjust the medium to the final volume.
- While stirring adjust the pH using 1 N NaOH or 1 N HCl.
- Determine the value of osmolality and adjust the osmolality with ultra pure water or NaCl if necessary.
- Final medium should be sterilized immediately by filtration using a 0,22-micron or smaller filter
- The sterilised medium is stored at +4°C in the dark with a shelf life of 2 years.