



Isotonicity(chapter 11, Pages173 -184)

Objectives:

The students should be able to

- Understand and use the dissociation factor (i).
- Use the NaCl E value in adjusting solution isotonicity, and performing other isotonicity related calculations (dilution and adjustment).
- Understand colligative properties and its use in adjusting solutions isotonicity.

Reading

In addition to the online lecture please read the following from the book

Pages 173 -184

Online lecture

<https://voicethread.com/share/6151264/>

You need to know the following for the iRAT

- 1- ***What is the definition of the E value?***
- 2- ***What is the importance of preparing an isotonic solution***
- 3- ***What is meant by colligative properties***
- 4- ***Would you consider a solution with a freezing point of -0.4°C , isotonic, hypotonic or hypertonic?***