

Online Library Definition Of Hypotonic Solution

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Definition Of Hypotonic Solution

A hypotonic solution is a solution that has a lower solute concentration compared to another solution. A solution cannot be hypotonic, isotonic or hypertonic without a solution for comparison. Hypotonic is a description of the solute content of one solution in relation to another solution. It is used in biology to help scientist describe cells.

Hypotonic Solution - Definition & Examples | Biology ...

hypotonic solution A solution having an osmotic pressure less than that of cells or body fluids; a solution that will cause water to enter cells, thus inducing swelling and possibly lysis.

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Hypotonic solution | definition of hypotonic solution by ...

Hypotonic solution: A solution that contains fewer dissolved particles (such as salt and other electrolytes) than is found in normal cells and blood.

Hypotonic solutions are commonly used to give fluids intravenously to hospitalized patients in order to treat or avoid dehydration.

Definition of Hypotonic solution

A hypotonic solution means something that has a lower solute concentration in comparison to another solution. A solution is not hypotonic, isotonic or hypertonic if there is no solution for comparison. It helps scientists to describe cells.

Hypotonic Solution - Definition and Examples, Types

A hypotonic solution is any solution that has a lower osmotic pressure than another solution. In the biological fields, this generally refers to a solution that

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has less solute and more water than...

Hypotonic Solution: Definition, Example & Diagram - Video ...

Therefore, a Hypotonic Solution is a solution that contains less solute than blood normally contains. The solute will include various electrolytes, proteins, dissolved blood gases, etc. (Want a quick refresher on the difference between solute, solvent, and solutions?) What happens when you administer a Hypotonic Solution?

Hypotonic Solution: Clearly Explained for Nursing Students ...

A hypertonic solution is one which has a higher solute concentration than another solution. An example of a hypertonic solution is the interior of a red blood cell compared with the solute concentration of fresh water.

What Is a Hypertonic Solution? - ThoughtCo

A hypotonic solution is a solution that

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contains less solute than the cell which is placed in it. If a cell with a NaCl concentration is placed in a solution of distilled water, which is pure water with no dissolved substances it, the solution on the outside of the cell is 100% water and 0% NaCl.

Isotonic, Hypertonic, and Hypotonic Solutions

Download Free Definition Of Hypotonic Solution Definition Of Hypotonic Solution Hypotonic, Isotonic, Hypertonic Hypotonic, Isotonic, Hypertonic by nt-end 3 years ago 5 minutes, 41 seconds 185,501 views nt-end" channel : All about Biology , Hypotonic Solution , : A solution where solute concentration is low enough to cause water to

Definition Of Hypotonic Solution

In an isotonic solution— iso means the same—the extracellular fluid has the same osmolarity as the cell, and there will be no net movement of water into or out of the cell. Hypotonic, hypertonic,

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and isotonic are relative terms. That is, they describe how one solution compares to another in terms of osmolarity.

Tonicity: hypertonic, isotonic & hypotonic solutions ...

1. (Pathology) (of muscles) lacking normal tone or tension 2. (Chemistry) (of a solution) having a lower osmotic pressure than that of a specified, generally physiological, solution.

Hypotonic solution - definition of Hypotonic solution by ...

Hypotonic solutions are used when the cell is dehydrated and fluids need to be put back intracellularly. This happens when patients develop diabetic ketoacidosis (DKA) or hyperosmolar hyperglycemia. Important: Watch out for depleting the circulatory system of fluid since you are trying to push extracellular fluid into the cell to re-hydrate it.

Isotonic, Hypotonic & Hypertonic IV

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Fluid Solution

Hypotonic solution: A solution that contains fewer dissolved particles (such as salt and other electrolytes) than is found in normal cells and blood.

Hypotonic solutions are commonly used to give fluids intravenously to hospitalized patients in order to treat or avoid dehydration.

Definition of Hypotonic solution - RxList

A hypertonic solution contains a higher concentration of solutes compared to another solution. The opposite solution with a lower concentration is known as the hypotonic solution. Scientists must describe cell contents compared to the environment. If a cell is placed in a hypertonic solution, the cell is considered hypotonic.

Hypertonic Solution - Definition and Examples | Biology ...

Hypotonic definition is - having deficient tone or tension. How to use hypotonic in

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a sentence.

Hypotonic | Definition of Hypotonic by Merriam-Webster

Therefore, it can define as the solution which contains a high solute concentration in the outside than the fluids inside the cell. Hypotonic solution: Hypo means “Low concentration” and tonic means “Fluid”. Therefore, it can define as the solution which contains a low solute concentration in the outside than the fluids inside the cell.

Differences Between Hypertonic and Hypotonic solution ...

A hypotonic solution has a lower concentration of solutes than another solution. In biology, a solution outside of a cell is called hypotonic if it has a lower concentration of solutes relative to the cytosol. Due to osmotic pressure, water diffuses into the cell, and the cell often appears turgid, or bloated.

Tonicity - Wikipedia

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hypotonic in British English. (ˌhaɪpəˈtɒnɪk) adjective. 1. (of muscles) lacking normal tone or tension. 2. (of a solution) having a lower osmotic pressure than that of a specified, generally physiological, solution. Compare hypertonic, isotonic. Collins English Dictionary.

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