

Definition Of Isotonic Solution

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Definition Of Isotonic Solution

Medical Definition of Isotonic solution. Isotonic solution: A solution that has the same salt concentration as cells and blood. Isotonic solutions are commonly used as intravenously infused fluids in hospitalized patients. [CONTINUE SCROLLING OR CLICK HERE FOR RELATED ARTICLE](#). Last Editorial Review: 5/13/2016.

Definition of Isotonic solution - MedicineNet

Isotonic Solution Definition. An isotonic solution is one that has the same osmolarity, or solute concentration, as another solution. If these two solutions are separated by a semipermeable membrane, water will flow in equal parts out of each solution and into the other. The effect is zero water flow between the two solutions, although water is moving both ways.

Isotonic Solution - Definition and Examples | Biology ...

An isotonic solution refers to two solutions having the same osmotic pressure across a semipermeable membrane. This state allows for the free movement of water across the membrane without changing the concentration of solutes on either side. Isotonic Solution: Definition & Example.

Isotonic Solution: Definition & Example - Video & Lesson ...

physiol (of two or more muscles) having equal tension. (of a drink) designed to replace the fluid and salts lost from the body during strenuous exercise. Also: isosmotic (of two solutions) having the same osmotic pressure, commonly having physiological osmotic pressure Compare hypertonic, hypotonic.

Isotonic | Definition of Isotonic at Dictionary.com

isotonic solution. A solution that has a concentration of electrolytes, nonelectrolytes, or both that will exert osmotic pressure equivalent to that of the solution with which it is being compared. Either 0.16 molar sodium chloride solution (approx. 0.95% salt in water) or 0.3 molar nonelectrolyte solution is approx.

Isotonic solution | definition of isotonic solution by ...

isotonic solution - a solution having the same osmotic pressure as blood. isosmotic solution. solution - a homogeneous mixture of two or more substances; frequently (but not necessarily) a liquid solution; "he used a solution of peroxide and water".

Isotonic solution - definition of isotonic solution by The ...

Definition of isotonic solution in the Definitions.net dictionary. Meaning of isotonic solution. What does isotonic solution mean? Information and translations of isotonic solution in the most comprehensive dictionary definitions resource on the web.

What does isotonic solution mean? - definitions.net

Definition of isotonic. 1 : of, relating to, or being muscular contraction in the absence of significant resistance, with marked shortening of muscle fibers, and without great increase in muscle tone — compare isometric. 2 : isosmotic —used of solutions. —

Isotonic | Definition of Isotonic by Merriam-Webster

Isotonic is a descriptive word relating to isotonicity. In cellular level, isotonicity may pertain to a property of a solution in which its solute concentration is the same as the solute concentration of another solution with which it is compared.

Isotonic - Biology-Online Dictionary | Biology-Online ...

Of a fluid that exerts the same OSMOTIC PRESSURE as another, especially as that of the body fluids. Body cells, such as red blood cells, can be immersed in an isotonic solution without being caused to change shape. 'Normal' saline is isotonic with blood.

Isotonic | definition of isotonic by Medical dictionary

Isotonic, hypertonic, hypotonic solutions. Terms isotonic, hypertonic and hypotonic are usually used when a reference to cell of a living organism is made, but it can be generally used to compare concentration of a solute in two solutions. Isotonic solutions. Isotonic solutions are two solutions that have the same concentration of a solute.

Isotonic hypertonic hypotonic solutions and definition in ...

isotonic - (used of solutions) having the same or equal osmotic pressure. isosmotic. hypertonic - (of a solution) having a higher osmotic pressure than a comparison solution. hypotonic - (of a solution) having a lower osmotic pressure than a comparison solution.

Isotonic - definition of isotonic by The Free Dictionary

Definition of isotonic solution in the Legal Dictionary - by Free online English dictionary and encyclopedia. What is isotonic solution? Meaning of isotonic solution as a legal term. What does isotonic solution mean in law? Isotonic solution legal definition of isotonic solution.

Isotonic solution legal definition of isotonic solution

'Any solutions, such as antibiotic or isotonic solution, should be included on the label.' 'The fluid that surrounds the body cells is isotonic.' 'The purpose of this activity is to teach the students about osmosis and the effects of hypotonic, hypertonic, and isotonic solutions on animal cells.'

isotonic | Definition of isotonic in English by Oxford ...

Isotonic solution: A solution that has the same salt concentration as cells and blood. Isotonic solutions are commonly used as intravenously infused fluids in hospitalized patients. Isotonic solutions are commonly used as intravenously infused fluids in hospitalized patients.

Definition of Isotonic solution - rxlist.com

Definition of isotonic in the Legal Dictionary - by Free online English dictionary and encyclopedia. ... a sterile isotonic solution is used for a US, ... The single bout of isotonic handgrip exercise was performed by the dominant hand of the participants using ball-squeeze dynamometer for a duration of 20 min continuously at an intensity of 30 ...

Isotonic legal definition of isotonic - Legal Dictionary

After bacterial growth and lawn formation, the culture was layered with 10 ml of an isotonic solution of sodium chloride. From Cambridge English Corpus Little attention has been paid in the past to the osmotic properties of such perfusates because they have generally been virtually isotonic with natural seawater.

ISOTONIC | meaning in the Cambridge English Dictionary

This is an isotonic solution. Isotonic solution. The prefix, iso, refers to things that are the same. It has the same concentration of solute, and so you have no net inflow. Hypotonic solution, you have water molecules going into the cell, the cell expanding, kind of like a filling balloon. Isotonic solution, no net flow.

Hypotonic, isotonic, and hypertonic solutions (tonicity ...

isotonic definition: Isotonic is defined as having equal tension. (adjective) When you lift an object at a constant speed and your muscle's length changes but the tension stays the same, this is an example of isotonic contractions. When a fluid has the ...

Isotonic dictionary definition | isotonic defined

A common example of an isotonic solution is saline solution. Normal saline solution contains 0.9% sodium chloride and is primarily used as intravenous fluid in medical settings. A solution is a combination of two or more substances. An isotonic solution is a combination of two or more solutions that have the same or similar concentration.

Definition Of Isotonic Solution

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