

Hypertonic Solution Definition Biology

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Hypertonic Solution Definition Biology

A hypertonic solution contains a higher concentration of solutes compared to another solution. The opposite solution, with a lower concentration or osmolarity, is known as the hypotonic solution. In biology, scientists must describe cell contents compared to the environment.

Hypertonic Solution - Definition and Examples | Biology ...

Hypertonic solution. Definition. noun. A solution that has higher osmotic pressure (or has more solutes) than another solution to which it is compared. Supplement. When a cell's cytoplasm is bathed in a hypertonic solution the water will be drawn out of the cell and into the solution by osmosis.

Hypertonic solution - Biology-Online Dictionary | Biology ...

A hypertonic solution refers to a solution that has a greater concentration of solute than another solution. In the context of biology, when two aqueous solutions are separated by a cell membrane, if the concentration of solute is greater outside the cell than inside the membrane, the solution is called hypertonic.

Hypertonic Solution: Definition And Role In Cell Biology ...

The effects of isotonic, hypotonic, and hypertonic extracellular environments on plant and animal cells is the same. However, due to the cell walls of plants, the visible effects differ. Although some effects can be seen, the rigid cell wall can hide the magnitude of what is going on inside.

Isotonic vs. Hypotonic vs. Hypertonic Solution | Biology ...

In biology, hypertonic refers to muscles that are more toned, or have greater tension, than other muscles in a body or are more toned than a "normal" comparison model. On the cellular and chemical levels, hypertonic fluids have a greater osmotic pressure than other fluids, and hypertonic solutions have a higher solution concentration than another, more diluted solution.

Hypertonic - Definition and Examples | Biology Dictionary

Hypertonic Solution Definition A hypertonic solution contains a higher concentration of solutes compared to another solution. The opposite solution, with a lower concentration or osmolarity, is known as the hypotonic solution. In biology, scientist must describe cell contents compared to the environment.

*** Hypertonic (Biology) - Definition, meaning - Online ...**

Online Biology Dictionary. A hypotonic solution, which has a lower concentration of salt than blood, causes cells in contact with it to swell, or even burst. A solution with a higher salt concentration than blood will, when mixed with blood, cause blood cells to shrink. Isotonic solutions cause neither shrinkage nor swelling since they exert...

Hypertonic solution | Online Biology Dictionary

Hypertonic Solution. When a cell is placed in a hypertonic solution (in a relation to the cell), there will be a higher concentration of solute outside of the cell, so water will diffuse away from the cell, towards the hypertonic solution, in order to balance the solvent concentrations.

What is Osmosis: Definition, Diagram, Examples and Explanation

Examples of Hypertonic Solutions. A hypertonic solution may be any solution that has a greater concentration of solutes outside of the cell, and one example of this is saline solutions used in medical care. Saline solutions are used to provide fluids intravenously as well as for contact lens care.

Hypertonic Solution: Definition, Effect & Example - Video ...

Hypertonic Example. When the concentration of salts (ions) is the same inside the blood cell as outside of it, the solution is isotonic with respect to the cells and they assume their normal shape and size. If there are fewer solutes outside the cell than inside it, such as would happen if you

placed red blood cells in fresh water,...

What Is a Hypertonic Solution? - ThoughtCo

Hypotonic, isotonic and hypertonic solutions (tonicity). Seeing the effect of various types of solution on the direction of osmosis. Hypotonic, isotonic and hypertonic solutions (tonicity). Seeing the effect of various types of solution on the direction of osmosis. ... Science · High school biology ...

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