

Physiological saline solution

This article has been translated from WikiSkripta; ready for the **editor's review**.

Template:Checked by

preview **Physiological solution** is a 0.9% NaCl solution. The concentration of sodium and chlorides in 1 liter of F1/1 is 154 mmol/l and other ions are not represented. The solution has an osmolarity of 308 mmol/l, which is approximately the same as [[plasma]]. It is therefore referred to as iso-osmolar.

Saline is often used as a base for rehydration infusion therapy and to dilute intravenous medications. Despite its name, however, it does not have a physiological composition of ions, its administration in larger quantities can cause hypernatremia, hyperchloremia, and thus metabolic acidosis (this property is then used in indicated cases to infusion correction metabolic alkalosis).

Links

Source

- ŠVÍGLEROVA, Jitka. Saline [online]. Last revision 2009-02-18, [cit. 2010-11-13]. <https://web.archive.org/web/20160306065550/http://wiki.lfp-studium.cz/index.php/Fyziologický_roztok>.