

## Table of Common IV Solutions

Name of Solution	pH	Ingredients in 1-Liter (1000mL)	240 – 340 Normal osmolarity	Type of Solution
5% Dextrose in Water <b>D5W</b>	pH 5.0	5 grams dextrose (170 calories/liter)	252 mOsm/L	Isotonic – hypotonic in body
0.9% Sodium Chloride <b>NS</b>	pH 5.7	154 mEq Sodium 154 mEq Chloride	308.0 mOsm/L	Isotonic
Ringer's Injection, U.S.P.	pH 5.8	147 mEq Sodium 4 mEq Potassium 4 mEq Calcium 155 mEq Chloride	308 – 324 mOsm/L	Isotonic
Lactated Ringer's  <b>LR</b>	pH 6.6	130 mEq Sodium 4 mEq Potassium 3 mEq Calcium 109 mEq Chloride 28 mEq Sodium Lactate (provides 9 calories/liter)	273.0 mOsm/L	Isotonic
0.45% Sodium Chloride <b>½NS</b>	pH 5.6	77 mEq Sodium 77 mEq Chloride	154.0 mOsm/L	Hypotonic
3% Sodium Chloride	pH 5.0	513 mEq Sodium 513 mEq Chloride	1026 mOsm/L	Hypertonic
5% Sodium Chloride	pH 5.8	855 mEq Sodium 855 mEq Chloride	1710 mOsm/L	Hypertonic
10% Dextrose in Water <b>D10W</b>	pH 4.3	10 grams dextrose (340 calories/liter)	505.0 mOsm/L	Hypertonic
5% Dextrose in 1/4 Strength (or 0.25%) Saline <b>D5¼NS</b>	pH 4.4	5 grams Dextrose 34 mEq Sodium 34 mEq Chloride	406 mOsm/L	Hypertonic
5% Dextrose in 0.45 Sodium Chloride <b>D5½NS</b>	pH 4.4	5 grams Dextrose 77 mEq Sodium 77 mEq Chloride	406.0 mOsm/L	Hypertonic
5% Dextrose in Normal Saline <b>D5NS</b>	pH 4.4	5 grams Dextrose 154 mEq Sodium 154 mEq Chloride	560.0 mOsm/L	Hypertonic
5% Dextrose in Lactated Ringer's Injection  Shorthand Notation: <b>D5LR</b>	pH 4.9	5 grams Dextrose (170 calories/liter) 130 mEq Sodium 4 mEq Potassium 3 mEq Calcium 109 mEq Chloride 28 mEq Sodium Lactate (provides 9 calories/liter)	525.0 mOsm/L	Hypertonic