

AMA Manual of Style

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Solutions and Concentration

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A molar solution contains 1 mol (1 g molecular weight) of solute in 1 L of solution. The SI style for reporting molar solutions is mol/L; for solutions with millimolar concentrations, mmol/L is used; and for solutions with micromolar concentrations, $\mu\text{mol/L}$ is used. The concentration is given as 4-mmol/L potassium chloride, not 4 mmol/L of potassium chloride. The gel was incubated at 40°C after applying 10 mL of a solution of 4-mmol/L potassium chloride and 5 mL of a solution of 1-mol/L sodium chloride. Molar concentrations of solutions and reagents also may be expressed by using M to designate molar and