

Cisplatin

Usual Diluents

NS , **variable stability (consult detailed reference)** in D₅W.

Preparation

Hazardous agent; use appropriate precautions for handling and disposal. The infusion solution should have a final sodium chloride concentration $\geq 0.2\%$.

Administration

Pretreatment hydration with 1-2 L of fluid is recommended prior to cisplatin administration; adequate post hydration and urinary output (>100 mL/hour) should be maintained for 24 hours after administration.

I.V.: Infuse over 6- 8 hours; has also been infused (unlabeled rates) over 30 minutes to 3 hours, at a rate of 1 mg/minute, or as a continuous infusion; infusion rate varies by protocol (refer to specific protocol for infusion details). Avoid extravasation.

Needles or I.V. administration sets that contain aluminum should not be used in the preparation or administration; aluminum may react with cisplatin resulting in precipitate formation and loss of potency.

Vesicant (at higher concentrations); ensure proper needle or catheter placement prior to and during infusion; avoid extravasation.

Stability / Miscellaneous

Store intact vials at room temperature 15°C to 25°C (59°F to 77°F). Protect from light. Do not refrigerate solution as a precipitate may form. Further dilution **stability is dependent on the chloride ion concentration** and should be mixed in solutions of NS (at least 0.3% NaCl). After initial entry into the vial, solution is stable for 28 days protected from light or for at least 7 days under fluorescent room light at room temperature.

Further dilutions in NS, D₅/0.45% NaCl or D₅/NS to a concentration of 0.05-2 mg/mL are stable for 72 hours at 4°C to 25°C.