

Carboplatin

Usual Diluents

NS or D₅W

Reconstitution and dilution

Solution for injection: Manufacturer's labeling states solution can be further diluted to concentrations as low as 0.5 mg/mL in NS or D₅W; however, most clinicians generally dilute dose in either 100 mL or 250 mL of NS or D₅W.

Concentrations used for desensitization vary based on protocol.

Hazardous agent; use appropriate precautions for handling and disposal ([NIOSH, 2012](#)). Needles or I.V. administration sets that contain aluminum should not be used in the preparation or administration of carboplatin; aluminum can react with carboplatin resulting in precipitate formation and loss of potency.

Stability / Miscellaneous

Store intact vials at room temperature at 25°C (77°F); excursions permitted to 15°C to 30°C (59°F to 86°F). Protect from light. Further dilution to a concentration as low as 0.5 mg/mL is stable at room temperature (25°C) for 8 hours in NS or D₅W. Stability has also been demonstrated for dilutions in D₅W in PVC bags at room temperature for 9 days (Benaji, 1994); however, the manufacturer recommends use within 8 hours due to lack of preservative.