

Table 3. Rapid desensitization to carboplatin

Step	Rate (mL/h)	Time (min)	Solution	Administered dose (mg)	Cumulative dose (mg)
1	2	15	A	0.01	0.01
2	5	15	A	0.03	0.04
3	10	15	A	0.06	0.10
4	20	15	A	0.12	0.22
5	10	15	B	0.59	0.81
6	20	15	B	1.18	1.99
7	30	15	B	1.77	3.76
8	40	15	B	2.36	6.12
9	20	15	C	11.80	17.92
10	30	15	C	17.70	35.62
11	40	15	C	23.60	59.22
12	80	169	C	531.79	591.00

The target dose (e.g., 590 mg) is diluted in 250 mL of 5% dextrose in water (2.36 mg/mL) and labeled solution C. Two serial 1:10 dilutions are made as follows: solution B = 59 mg in 250 mL of 5% dextrose in water (0.236 mg/mL), which is 1/10 of the concentration of solution C; solution A = 5.9 mg in 250 mL of 5% dextrose in water (0.0236 mg/mL), which is 1/100 of the concentration of solution C. Total time required for uneventful desensitization is approximately 5.6 hours.

Source: Adapted from Castells MC, Tennant NM, Sloane DE, Hsu FI, Barrett NA, Hong DI, et al. Hypersensitivity reactions to chemotherapy: outcomes and safety of rapid desensitization in 413 cases. *J Allergy Clin Immunol.* 2008;122:574-80. [PMID: 18502492]