

N-acetylcysteine (NAC) dosing for paracetamol poisoning

Patient measured weight: _____ kg

Patient weight (to nearest 10 kg)	INFUSION 1 N-acetylcysteine 150 mg/kg (over 1 hour)		INFUSION 2 N-acetylcysteine 50 mg/kg (over 4 hours)		INFUSION 3 N-acetylcysteine 100 mg/kg (over 16 hours)	
	<u>mg</u> (dose)	<u>mL</u> (volume) of 200mg/mL solution	<u>mg</u> (dose)	<u>mL</u> (volume) of 200mg/mL solution	<u>mg</u> (dose)	<u>mL</u> (volume) of 200mg/mL solution
40 kg	6000 mg	30 mL	2000 mg	10 mL	4000 mg	20 mL
50 kg	7500 mg	37.5 mL	2500 mg	12.5 mL	5000 mg	25 mL
60 kg	9000 mg	45 mL	3000 mg	15 mL	6000 mg	30 mL
70 kg	10500 mg	52.5 mL	3500 mg	17.5 mL	7000 mg	35 mL
80 kg	12000 mg	60 mL	4000 mg	20 mL	8000 mg	40 mL
90 kg	13500 mg	67.5 mL	4500 mg	22.5 mL	9000 mg	45 mL
100 kg	15000 mg	75 mL	5000 mg	25 mL	10000 mg	50 mL
110 kg or more	16500 mg	82.5 mL	5500 mg	27.5 mL	11000 mg	55 mL

Unless otherwise clinically indicated (fluid overload, risk of cerebral oedema etc.), the infusions should be made up according to the following protocol:

Infusion 1: 150 mg/kg NAC in 200 mL 5% dextrose over 1 hour

Infusion 2: 50 mg/kg NAC in 500 mL 5% dextrose over 4 hours

Infusion 3: 100 mg/kg NAC in 1000 mL 5% dextrose over 16 hours

If weight > 110 kg, calculate dose based on 110 kg.