

**Table – Infusion No. 3 DOUBLE CONCENTRATION of N-Acetylcysteine (NAC)**  
**Infusion No.3 DOUBLE CONCENTRATION**  
 (~ 200 mg/kg of NAC to be Administered by IV\*\* over 16 hours)  
 Use this infusion only if recommended by the poison centre

| Weight (kg)* | NAC Dose | NAC Volume 20% (ml) | DSW or ½NS Volume | Final Volume (ml) | IV rate (ml/h) |
|--------------|----------|---------------------|-------------------|-------------------|----------------|
| 5            | 1,000    | 5                   | 100               | 105               | 7              |
| 6            | 1,200    | 6                   | 120               | 126               | 8              |
| 7            | 1,400    | 7                   | 140               | 147               | 9              |
| 8            | 1,600    | 8                   | 160               | 168               | 11             |
| 9            | 1,800    | 9                   | 180               | 189               | 12             |
| 10           | 2,000    | 10                  | 200               | 210               | 13             |
| 12           | 2,400    | 12                  | 250¥              | 262               | 17             |
| 14           | 2,800    | 14                  | 250¥              | 264               | 17             |
| 16           | 3,200    | 16                  | 250¥              | 266               | 17             |
| 18           | 3,600    | 18                  | 250¥              | 268               | 17             |
| 20           | 4,000    | 20                  | 500¥              | 520               | 33             |
| 22           | 4,400    | 22                  | 500¥              | 522               | 33             |
| 24           | 4,800    | 24                  | 500¥              | 524               | 33             |
| 26           | 5,200    | 26                  | 500¥              | 526               | 33             |
| 28           | 5,600    | 28                  | 500¥              | 528               | 33             |
| 30           | 6,000    | 30                  | 500¥              | 530               | 33             |
| 32           | 6,400    | 32                  | 500¥              | 532               | 33             |
| 34           | 6,800    | 34                  | 500¥              | 534               | 33             |
| 36           | 7,200    | 36                  | 500¥              | 536               | 34             |
| 38           | 7,600    | 38                  | 500¥              | 538               | 34             |
| 40           | 8,000    | 40                  | 1,000¥            | 1,040             | 65             |
| 45           | 9,000    | 45                  | 1,000¥            | 1,045             | 65             |
| 50           | 10,000   | 50                  | 1,000¥            | 1,050             | 66             |
| 55           | 11,000   | 55                  | 1,000             | 1,055             | 66             |
| 60           | 12,000   | 60                  | 1,000             | 1,060             | 66             |
| 65           | 13,000   | 65                  | 1,000             | 1,065             | 67             |
| 70           | 14,000   | 70                  | 1,000             | 1,070             | 67             |
| 75           | 15,000   | 75                  | 1,000             | 1,075             | 67             |
| 80           | 16,000   | 80                  | 1,000             | 1,080             | 68             |
| 85           | 17,000   | 85                  | 1,000             | 1,085             | 68             |
| 90           | 18,000   | 90                  | 1,000             | 1,090             | 68             |
| 95           | 19,000   | 95                  | 1,000             | 1,095             | 68             |
| 100 and +    | 20,000   | 100                 | 1,000             | 1,100             | 69             |

\* Round up to next weight. Use ideal weight in adults up to a max of 100 kg; in children, consider using ideal weight if the volume administered in 3<sup>rd</sup> infusion exceeds 50% of maintenance dose. For pregnant women, use real weight.

\*\* Use a volumetric pump for infusion.

\*\*\* Repeat no. 3 infusion until physician decides to discontinue treatment.

¥ The volume of diluent needed takes into account maximum volume that can be added to a solution based on type of diluent and patient weight. The goal is to limit handling and errors when preparing and administering the antidote.

**Abbreviations used:** NAC: N-Acetylcysteine 200 mg/ml (20%) solution for injection; DSW: 5% dextrose in water injection; ½NS: 0.45% sodium chloride injection; IV: intravenous

Prepared by the Centre antipoison du Québec-June 7, 2018/jmb