## N-ACETYLCYSTEINE - DILUTE

FOR ACETAMINOPHEN TOXICITY

ORDER: 140 MG/KG LOADING DOSE ONCE 70 MG/KG DOSAGE Q6H X 7 TREATMENTS WEIGHT: 30 KG RATE: X FLUIDS: Y TIME: 20 MINS – GIVE SLOW IV CONC: 20% = 200 MG/ML, DILUTE TO 5% = 50 MG/ML BY DILUTING 1:3 WITH 0.45% NaCl, STERILE H20 OR D5W AND USE A 0.22 MICRON FILTER AT PORT CLOSEST TO

LOADING DOSE:

PATIENT

140 MG/<del>KG</del> X 30 <del>KG</del> = 4200 MG 4200 <del>MG</del> / 200 <del>MG</del>/ML = 21 ML NAC

LOADING DOSE DILUTION:

21 ML NAC 1:3 IN 0.45% NaCl, STERILE H2O OR D5W REMEMBER 1:3 IS 4 TOTAL PARTS 21 ML X 4 = 84 ML TOTAL VOLUME – 4 PARTS <u>- 21 ML</u> NAC – 1 PART 63 ML 0.45% NaCl, STERILE H2O OR D5W – 3 PARTS = FLUIDS = Y 60  $\frac{\text{MIN}}{20}$  / 20  $\frac{\text{MIN}}{20}$  = 3 \*THIS IS A UNIT OF TIME SO YOU WILL GET A RATE IN ML/HR WHEN CALCULATING 105 ML X 3 = 315 ML/HR = RATE = X

ADDITIONAL DOSES:

70 MG/KG X 30 KG = 2100 MG 2100 MG / 200 MG/ML = 10.5 ML NAC

10.5 ML X 4 = 42 ML TOTAL VOLUME - 4 PARTS <u>- 10.5 ML</u> NAC – 1 PART 31.5 ML 0.45% NaCl, STERILE H2O OR D5W – 3 PARTS = FLUIDS = Y

60 MIN / 20 MIN = 3

52.5 ML X 3 = 157.5 ML/HR = RATE = X

NOTE: N-ACETYLCYSTEINE CONTAINS SODIUM AND TO PREVENT EXCESS SODIUM AND FLUID CREEP OVER THE COURSE OF HOSPITALIZATION IT IS RECOMMENDED NOT TO DILUTE WITH 0.9% NaCI BUT RATHER 0.45% NaCI, STERILE H2O or D5W.