

**Intravenous Zidovudine (AZT / Retrovir®) Preparation and Administration Protocol**

**Recommended Supplies:**

- 5 - Vials Zidovudine 200 mg/20 mL from Prevention of Perinatal HIV transmission (concentration 10 mg/mL)
- 1 - IV bag 500 mL (D5W, D5NS, LR, D5LR)

**To make a Standard Zidovudine Concentration: 2 mg/mL**

1. Withdraw contents of 5 zidovudine vials (100 mL). [5 x 20mL per vial = 100mL (=1000mg)]
2. Remove 100mL from 500 mL IV bag.
3. Add the 100mL zidovudine to it.

**NOTE:** This solution is stable for 24 hours at room temperature (or 48 hours if refrigerated).  
For fluid restricted patients the maximum concentration of zidovudine is 4 mg/mL.

**Dosage of Zidovudine during Labour:**

Loading dose: 2 mg /kg\* infused over 1 hour.

Continuous infusion: 1 mg /kg/ hour\* continuous infusion until umbilical cord clamped.

Zidovudine Dosing Table: * Only to be used for standard 2 mg/mL solution Round woman's weight to the nearest 2 kg					
Wt (kg)	LOADING DOSE Set pump at this rate FOR FIRST HOUR ONLY (mL/hour)	CONTINUOUS INFUSION Set pump at this rate (after loading dose) (mL/hour)	Wt (kg)	LOADING DOSE Set pump at this rate FOR FIRST HOUR ONLY (mL/hour)	CONTINUOUS INFUSION Set pump at this rate (after loading dose) (mL/hour)
50	50	25	90	90	45
52	52	26	92	92	46
54	54	27	94	94	47
56	56	28	96	96	48
58	58	29	98	98	49
60	60	30	100	100	50
62	62	31	102	102	51
64	64	32	104	104	52
66	66	33	106	106	53
68	68	34	108	108	54
70	70	35	110	110	55
72	72	36	112	112	56
74	74	37	114	114	57
76	76	38	116	116	58
78	78	39	118	118	59
80	80	40	120	120	60
82	82	41	122	122	61
84	84	42	124	124	62
86	86	43	126	126	63
88	88	44	128	128	64

**Zidovudine Compatibility:**

The following list includes some of the drugs that are compatible at Y-site with zidovudine (ZDV):  
acyclovir, amikacin, amphotericin, ampicillin, ceftazidime, ceftriaxone, cimetidine, clindamycin, cloxacillin, co-trimoxazole, dexamethasone, erythromycin, fluconazole, gentamicin, heparin, imipenem-cilastatin, insulin, magnesium sulfate, meropenem, metoclopramide, metronidazole, meperidine, morphine, oxytocin, potassium chloride, ranitidine, vancomycin