CEFAZOLIN AND CEFTAZIDIME DOSING WORKSHEET

NOTE:

- **Cephalosporins are to be continuously dosed (i.e. antibiotic in all dialysate bags)**
- **Continuously dosed antibiotics are prescribed as a concentration (i.e. mg/L)**

1. **Patient's Current PD Prescription**
   (Clarify with nursing staff/parent the number and size of dialysate bags used)

Baxter Dialysis Solutions	
0.5% Dianeal	2L TB/ 2L LL
1.5%, 2.5%, 4.25% Dianeal (Twin Bag)	2L/ 2.5L
1.5%, 2.5%, 4.25% Dianeal (Luer Lock)	3L /5L
1.36%, 2.27%, 3.86% Physioneal (Luer Lock)	2.5L / 5L
7.5% Extraneal	2L TB/ 2.5L LL

** TB =Twin Bag; LL = Luer Lock

2. **Dosing**

Cefazolin or Ceftazidime	Loading Dose **(A)**	Maintenance Dose **(B)**
	500 mg/L	125 mg/L

3. **Administration**
   (Refer to parent antibiotic mixing instruction sheets; note cefazolin and ceftazidime are reconstituted by parents to a 100 mg/mL solution)

   A. **Loading Dose** (generally use 2 L Twin Bag):

      i. 2 L x _____ mg/L **(A)** = _____ mg **(C)**

      ii. _____ mg **(C)** ÷ 100 mg/mL = _____ mL

      Instill and dwell for minimum of 6 hours, then commence maintenance dosing.

   B. **Maintenance Dose** (select bag sizes to be used by patient when on cycler (including last fill bag) or twin bags (if CAPD), as per usual PD prescription:

      2 L X _____ mg/L **(B)** = _____ mg ÷ 100 mg/mL = _____ mL
      (Add to each 2 L bag)

      2.5 L X _____ mg/L **(B)** = _____ mg ÷ 100 mg/mL = _____ mL
      (Add to each 2.5 L bag)

      3 L X _____ mg/L **(B)** = _____ mg ÷ 100 mg/mL = _____ mL
      (Add to each 3 L bag)

      5 L X _____ mg/L **(B)** = _____ mg ÷ 100 mg/mL = _____ mL
      (Add to each 5 L bag)

4. **Example Prescription**
   (For outpatient prescription, please order for 3 days to cover empiric therapy)

   Cefazolin/Ceftazidime for intraperitoneal administration for peritonitis:

   Loading Dose:
   Add _____mg/L **(A)** x 2 L dialysate x 1 dose.

   Maintenance Dose:
   Add _____mg/L **(B)** x _____ litres = _____ mg
   total volume of all bags used per day