

**Supplemental Table 1. Product Concentrations per Site**

<b>Agent</b>	<b>Institution 1</b>	<b>Institution 2</b>	<b>Institution 3</b>
Antibacterials			
Vancomycin	5 mg/mL	4 mg/mL	3.5 – 6 mg/mL depending on dose
Piperacillin-tazobactam	33.75 mg/mL 45 mg/mL	37.5mg/mL	33.75 mg/mL
Cefepime	10 mg/mL	10 mg/mL	1 gm/10 mL IV push
Metronidazole	5 mg/mL	10 mg/mL	5 mg/mL
VME			
Potassium chloride	0.1 mEq/mL 0.2 mEq/mL	0.1 mEq/mL 0.2 mEq/mL	0.1 mEq/mL 0.4 mEq/mL
Sodium phosphate	.14 mmol/mL .12 mmol/mL .17 mmol/mL	0.06 mmol/mL	0.03 – 0.12 mmol/mL
Magnesium	10 mg/mL 40 mg/mL	10 mg/mL	10 mg/mL 40 mg/mL
Vasoactive agents			
Norepinephrine	64 mcg/mL	32 mcg/mL	16 mcg/mL 64 mcg/mL
Vasopressin	1 unit/mL	0.4 units/mL	0.4 units/mL
Nicardipine	0.2 mg/mL	0.1 mg/mL	0.2 mg/mL
PAD agents			

Propofol	10 mg/mL	10 mg/mL	10 mg/mL
Dexmedetomidine	4 mcg/mL	4 mcg/mL	4 mcg/mL
Anticoagulants & sodium bicarbonate			
Heparin	50 units/mL	50 units/mL	50 units/mL
Sodium bicarbonate	0.15 mEq/mL	0.15 mEq/mL	0.075 mEq/mL 0.1 mEq/mL 0.15 mEq/mL

VME = Vitamins/Minerals/Electrolytes

PAD = Pain/Agitation/Delirium