

Appendix 1 (as supplied by the authors): Volumes < 0.1mL required for preparation of parenterally administered medication*

Medication	3 kg neonate Stock Solution Volume (mL)	5 kg infant Stock Solution Volume (mL)	10 kg infant Stock Solution Volume (mL)	20 kg child Stock Solution Volume (mL)
Adenosine	0.05	-	-	-
Alprostadil	0.01875	-	-	-
Calcitriol	-	0.025	0.05	-
Carboprost Tromethamine	-	0.002	0.004	0.008
Darbopoietin	-	0.09		-
Diazepam	0.06			-
Enalaprilat		0.02	0.04	0.08
Enoxaparin	0.0225	0.025	0.05	-
Esmolol		0.05	-	-
Fomiprazole	-	0.05	-	-
Growth Hormone	-	0.06	-	-
Hydralazine	0.0425	0.0375	0.075	-
Hydrocortisone	0.03	-	-	-
Hydromorphone	-	0.0375	0.075	-
Lorazepam	0.0375	0.03125	0.0625	-
Methylprednisolone	-	0.0625	-	-
Metaclopramide	0.02	-	-	-
Midazolam	-	0.05	-	-
Morphine	0.075	-	-	-
Naloxone	-	0.0125	0.025	0.05
Phenoxybenzamine	-	0.0125	0.025	0.05
Phenylephrine	-	0.0025	0.005	0.01
Propranolol	0.00750	0.05	-	-
Pyridoxime		0.05	-	-
Ranitidine	0.0375	-	-	-
Rifampicin	0.05	-	-	-
Salbutamol	-	0.02	0.04	0.08
Tacrolimus	-	0.025	0.05	-
Vecuronium	0.09	-	-	-
Number of Medications	13	20	12	6

*The table shows medications with one or more indication for which the recommended dose requires preparation from less than 0.1 mL of the least concentrated commercially available formulation. The table was constructed using recommendations from the formulary of a university-affiliated paediatric hospital and the least concentrated parenteral preparation that was commercially available in Canada.