

Pediatric MBTP Dosing Guidelines

Component	Treatment Guidelines	Estimated Weight of Child*	Number of Units to Order from Lab	Broselow Chart Color Comparison	Amount of Volume to be Transfused for high volume transfusion	
RBCs 350ml/unit	10-20ml/kg	3-4kg	1 unit	Red	60-80ml	
		5-6kg		100-120ml		
		7-8kg		Red/Purple	140-160ml	
		9-10kg		Purple	180-200ml	
		11-12kg		Purple/Yellow	220-240ml	
		13-14kg		Yellow	260-280ml	
		15-17kg		White	300-340ml	
		18-19kg	2 units	Light blue	360-380ml	
		20-22kg		Lt.Blue/Orange	400-500ml	
		26-38kg	3 units	Orange/Green	3 units	
		>39kg	4 units	N/A	4 units	
Plasma 250ml/unit	10-20ml/kg	3-4kg	1 unit	Red	60-80ml	
		5-6kg		100-120ml		
		7-8kg		Red/Purple	140-160ml	
		9-10kg		Purple	180-200ml	
		11-12kg		Purple/Yellow	220-240ml	
		13-14kg		2 units	Yellow/White	260-280ml
		15-16kg			White	300-320ml
		17-25kg	3 units	Light blue	340-500ml	
		26-38kg		Orange	3 units	
		>39kg		4 units	N/A	4 units
Platelets 50ml/unit of whole blood platelets 250ml/standard apheresis unit	5-10ml/kg	3-4kg	1 standard		30-40ml	
		5-6kg		50-60ml		
		7-8kg	apheresis platelet	Red/Purple	70-80ml	
		9-10kg		Purple	90-100ml	
		11-12kg		Purple/Yellow	110-120ml	
		13-14kg		Yellow/White	130-140ml	
		15-16kg		White	150-160ml	
		17-18kg		White/Lt. Blue	170-180ml	
		>19kg		Blue/Orange/Green	1 standard apheresis platelet	
Cryoprecipitate 20ml/unit 120ml/pool	1.5-3ml/kg	<10kg	1 unit	Red/Purple	1 unit	
		11-20kg	2 units	Yellow/White/Lt.blue	2 units	
		21-29kg	4 units	Lt. Blue/Orange	4 units	
		>30kg	1 pool	Orange/Green	1 pool	

*May use Broselow tape to estimate kilogram weight if available.

DO NOT USE A RAPID INFUSION DEVICE (such as the Level 1 Rapid Infuser® or pressure bag) IN A SMALL CHILD <20KG.