

Specification of red cell components available for use in neonates and children in the UK

	Red cells in Additive Solution	Neonatal red cells split packs 6 aliquots per unit	Neonatal red cells For exchange transfusion
Volume (mls)	220-340	30-50	324
Additive solution / Anticoagulant	SAG-M / CPD	SAG-M / CPD	CPD
Residual plasma Volume (mls)	20	20 in full unit	100-120
Haematocrit	0.5-0.6	0.5-0.6	0.5-0.55
CMV status	Positive or negative	Negative	Negative
Sickle status	Positive or negative	Negative	Negative
Irradiation	Not routine	Not routine	Yes
Shelf life (days)	35	35	24 hours from irradiation

SAG-M = saline based additive solution containing adenine, glucose and mannitol  
 CPD = citrate phosphate dextrose

NB All blood components undergo leucodepletion during preparation