

Ro request substitution examples

Receive request for 8 O Ro units. Only have 4 O Ro available. Supply 4 O Ro + 4 O rr. Not 8 O rr.
Only supply a maximum of 2 different blood groups. Unless multiple phenotyped units required.

If request have in the notes section “will accept rr “. It is acceptable to supply a mix of Ro & rr.

Receive request for 8 B Ro units. Only have 4 B Ro available. Supply 4 B Ro, if not then supply with 4 O Ro, if not then supply with 4 B rr. Only 2 Blood Groups

Receive request for 8 AB Ro units. Only have 2 AB Ro available. Supply 2 AB Ro, then supply with 6 A Ro, if this does not fulfil the request then makes up the short fall with either 6 O Ro or 6 A rr. Only 2 Blood Groups

Please note
NHSBT patient consultants recommend the use of all Ro units before issuing rr substitutions.
Hospital Services MUST discuss and agree ALL substitutions with Hospitals using the selection preference below as a guide.
Where possible all suitable Ro stock should be exhausted before rr substitutions.
Any further issues should be discussed with a NHSBT patient consultant.

Ro Substitution Matrix

Substitutions	O Ro (C-D+E-)	A Ro (C-D+E-)	B Ro (C-D+E-)	AB Ro (C-D+E-)
1st	O rr (C-D-E-)	O Ro (C-D+E-)	O Ro (C-D+E-)	A Ro (C-D+E-)
2nd		A rr (C-D-E-)	O rr (C-D-E-)	O Ro (C-D+E-)
3rd		O rr (C-D-E-)	B rr (C-D-E-)	B Ro (C-D+E-)
4th				A rr (C-D-E-)
5th				AB rr (C-D-E-)
6th				B rr (C-D-E-)
7th				O rr (C-D-E-)