

# Blood Compatibility

## Red cell compatibility

Patient ABO type	✓ Best option	✓ OK to use	✗ Never use
Unknown	O RhD negative	-	A, B, AB
O	O	-	A, B, AB
A	A	O	B, AB
B	B	O	A, AB
AB	AB	O, A, B	-

Patient RhD type	✓ Best option	✓ OK to use	✗ Never use
RhD negative	RhD negative	-	RhD positive*
RhD positive	RhD positive	RhD negative	-

\*RhD negative males and females without child-bearing potential may safely be given RhD positive blood but have a risk of developing Anti-D antibodies.

## Platelet compatibility

RhD compatible is ideal. If RhD positive platelets are given to an RhD negative female of child-bearing capacity, then give Anti-D.

Patient ABO type	✓ Best option	✓ OK to use	▲ Avoid if possible
Unknown	O or A RhD negative	-	B, AB
O	O	A	B, AB
A	A	B, O	AB
B	B	A, O	AB
AB	AB ( <i>not routinely available</i> )	A, B	O

## Plasma compatibility

Patient ABO type	✓ Best option	✓ OK to use	▲ Warning*
Unknown	AB	A	B
O	O	A, B, AB	-
A	A	AB	B
B	B	AB	A
AB	AB	-	A, B

\*Always check with the lab before administering.