



Can a sum be greater than its parts?

$$16 + 4 > 20$$

Resolve more with 16 + 4.

ALBAcyte® Antibody Identification Panel (16-cell)

(Z473U)

ALBAcyte® REAGENT RED BLOOD CELLS FOR IDENTIFICATION OF UNEXPECTED ANTIBODIES
Antibody Identification (16-Cell) – REF Z473U

| Cell # | Rh-ir | Donor | D | C | E | c | e | f | *V | C* | K | k | Kp ^a | Kp ^b | Js ^a | Js ^b | Fy ^a | Fy ^b | Jk ^a | Jk ^b | Le ^a | Le ^b | M | N | S | s | P1 | Lu ^a | Lu ^b | Xg ^a | Wr ^a | Special Types | TEST RESULTS | Cell # | | |
|--------|-------------------------------|---------------|---|---|---|---|---|---|----|----|---|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---|---|---|---|----|-----------------|-----------------|-----------------|-----------------|---------------|--------------|--------|----|----|
| 1 | R ₁ R ₁ | 4995090 | + | + | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 1 | |
| 2 | R ₁ R ₁ | 2096854 | + | + | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 2 | |
| 3 | R ₂ R ₂ | 4444324 | + | + | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 3 | |
| 4 | r'r | 4153517 | 0 | + | + | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 4 | |
| 5 | r'r | 4171437 | 0 | 0 | + | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 5 | |
| 6 | R ₀ r | 834299 | + | 0 | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 6 | |
| 7 | rr | 3435984 | 0 | 0 | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 7 | |
| 8 | rr | 3504218 | 0 | 0 | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 8 | |
| 9 | rr | 6097070 | 0 | 0 | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 9 | |
| 10 | rr | 4313419 | 0 | 0 | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 10 | |
| 11 | R ₁ R ₂ | 4295417 | + | + | + | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 11 |
| 12 | R ₁ R ₁ | 1071-140-6 | + | + | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 12 |
| 13 | rr | 1000171044 | 0 | 0 | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 13 |
| 14 | R ₂ R ₂ | 8302230101019 | + | + | + | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 14 |
| 15 | R ₂ R ₂ | 5026993 | + | + | + | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 15 |
| 16 | rr | 141388 | 0 | 0 | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 16 | |

Patients cells

Annotations:

- The R₁R₁ cell will always be K-.
- There will always be at least one cell that is K+k (cellano negative).
- There will always be 4 rr cells. Within those cells, there will always be at least one of each phenotype: S+s-, S-s+ Fy(a+b-), Fy(a-b+) Jk(a+b-), Jk(a-b+)
- The R₀r cell will always be D-.
- There will always be two Fy(a-b-) cells. One will be R₀; one will be rr.
- At least one cell will be Le(a-b-).
- Cell #11 will be R₁R₂, useful for ruling out Anti-E in the presence of Anti-c. Cell #15 will be R₂R₂ or a rare cell.

Anti-K will not be masked by Antibodies to Jk^a, Jk^b, Fy^a, Fy^b, S or s

ALBAcyte® Expanded Rh Negative Antibody Screen (4-cell)

(Z464U)

ALBAcyte® REAGENT RED BLOOD CELLS FOR IDENTIFICATION OF UNEXPECTED ANTIBODIES
Expanded Rh Negative Antibody Screen – REF Z464U

| Cell # | Rh-ir | Donor | D | C | E | c | e | f | *V | C* | K | k | Kp ^a | Kp ^b | Js ^a | Js ^b | Fy ^a | Fy ^b | Jk ^a | Jk ^b | Le ^a | Le ^b | M | N | S | s | P1 | Lu ^a | Lu ^b | Xg ^a | Wr ^a | Special Types | TEST RESULTS | Cell # | |
|--------|-------------------------------|------------|---|---|---|---|---|---|----|----|---|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---|---|---|---|----|-----------------|-----------------|-----------------|-----------------|---------------|--------------|--------|---|
| 1 | r'r | 6042259 | 0 | + | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 1 | |
| 2 | r'r | 9300999 | 0 | 0 | + | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 2 |
| 3 | rr | 1082646 | 0 | 0 | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 3 |
| 4 | R ₀ R ₀ | DN20080985 | + | 0 | 0 | + | + | + | 0 | 0 | 0 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 4 |

Notes:

- All cells are DAT negative.
- NT = Not tested.
- The f antigen status has been determined presumptively.
- Cell #4 is designated as R₀R₀ based on statistical probability for the source donor population but a genotype of R₁R₂ cannot be excluded.

*Indicates those antigens whose presence or absence may have been determined using only a single example of a specific antibody.

Annotations:

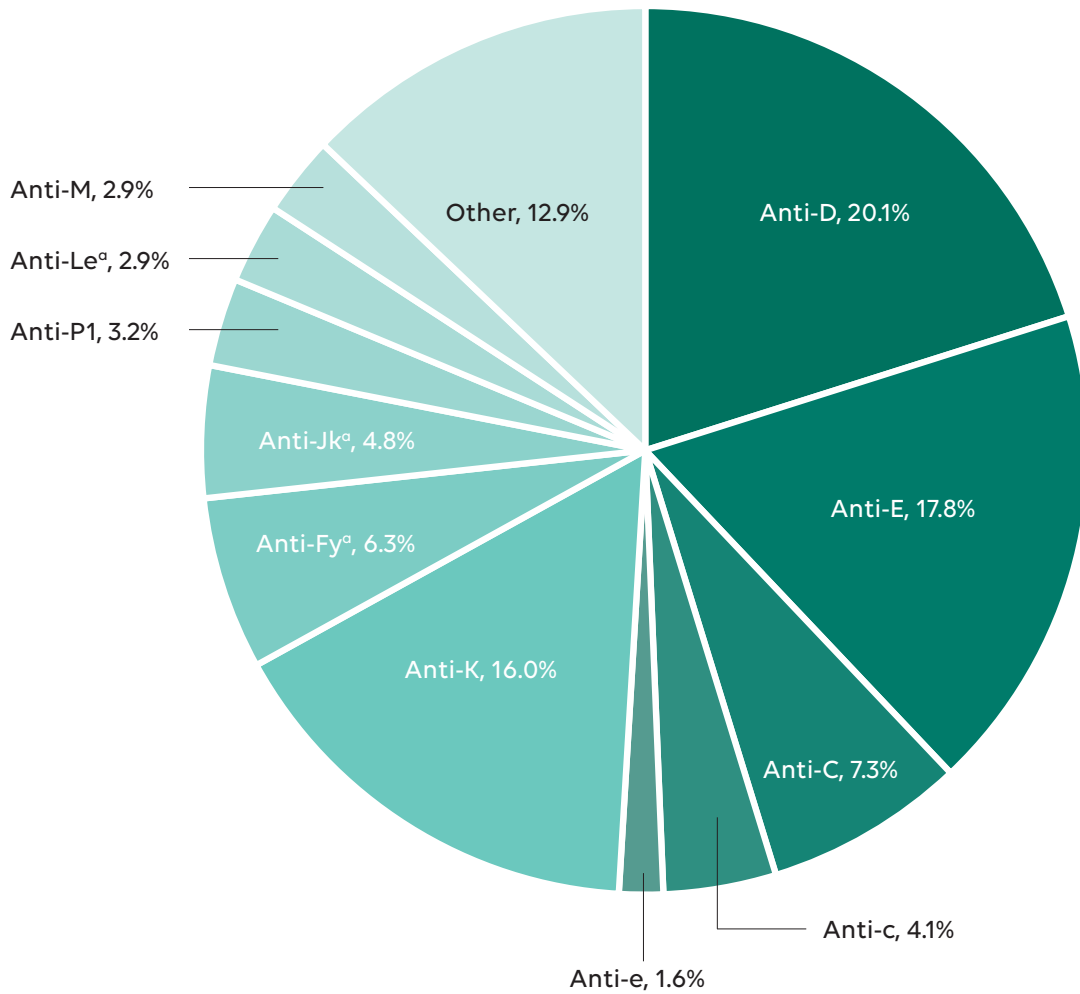
- An additional r'r cell for ruling out Anti-C in the presence of Anti-D.
- An additional r'r cell for ruling out Anti-E in the presence of Anti-D.
- The K+ cell will always be D-.
- Within the 3 RhD negative cells, there will be at least one of each phenotype: Fy(a+b-), Fy(a-b+) S+s-, S-s+ Le(a-b+), Le(a-b-) Jk(a+b-), Jk(a-b+)
- Cell #4 may be used to confirm Anti-D (D+C-E- cell). Statistically likely to be a double dose of the D antigen.
- The R₀R₀ cell is always Fy(a-b-).

Reliable source of additional IN-DATE CELLS you select most often for:

- Ruling out common antibodies
- Quality control of C, E, c, e and K antisera

See inside how our 16 + 4 resolves the antibodies you see most often.

Alloantibody frequency¹



Most common alloantibody combinations²

Anti-K + Anti-E
Anti-D + Anti-C
Anti-E + Anti-c

1. Petras ML, Leach MK, Szczepiorkowski ZM, Dunbar NM. Red blood cell alloantibodies: a 45-year historical review at a rural tertiary care center. [Letter to the editor]. *Transfusion* 2012;52:1380-2.

2. Tormey CA, Stack G. The characterization and classification of concurrent blood group antibodies. *Transfusion* 2009;49:2709-18.