



**PROFICIENCY TESTING SERVICE  
AMERICAN ASSOCIATION OF BIOANALYSTS**  
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PARTICIPANT STATISTICS

THIRD QUADRIMESTER 2018

**IMMUNOHEMATOLOGY**

**ABO Group**

| Method                  | Specimen 1 |            |          |           | Specimen 2 |          |          |          | Specimen 3 |            |           |          | Specimen 4 |          |          |          | Specimen 5 |          |          |          |
|-------------------------|------------|------------|----------|-----------|------------|----------|----------|----------|------------|------------|-----------|----------|------------|----------|----------|----------|------------|----------|----------|----------|
|                         | O          | A          | A1       | F/B Dis   | O          | A        | A1       | A2       | A          | B          | F/B Dis   | O        | A          | A1       | A2       | F/B Dis  | O          | A        | B        | AB       |
| Immucor Tube            | 1          | 42         | 1        |           | 44         |          |          |          | 43         |            | 1         |          | 43         | 1        |          |          | 44         |          |          |          |
| Ortho Gel               |            | 45         |          | 13        | 59         |          |          |          | 46         | 13         |           |          | 53         | 1        |          | 5        | 58         |          |          |          |
| Ortho Tube              |            | 13         | 1        |           | 14         |          |          |          | 14         |            |           |          | 13         | 1        |          |          | 14         |          |          |          |
| <b>Total Population</b> | <b>1</b>   | <b>123</b> | <b>3</b> | <b>13</b> | <b>141</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>126</b> | <b>15</b> | <b>0</b> | <b>132</b> | <b>4</b> | <b>0</b> | <b>5</b> | <b>140</b> | <b>0</b> | <b>0</b> | <b>0</b> |
| <b>Flagging</b>         | ***        |            |          |           |            | ***      | ***      | ***      | ***        |            |           | ***      |            |          |          |          |            | ***      | ***      | ***      |

**D (Rho) Typing**

| Method                  | Specimen 1 |            |                                |                      | Specimen 2 |            |                                |                      | Specimen 3 |          |                                |                      | Specimen 4 |            |                                |                      | Specimen 5 |          |                                |                      |
|-------------------------|------------|------------|--------------------------------|----------------------|------------|------------|--------------------------------|----------------------|------------|----------|--------------------------------|----------------------|------------|------------|--------------------------------|----------------------|------------|----------|--------------------------------|----------------------|
|                         | NEG        | POS        | Neg. weak D (Du) not performed | Weak D (Du)-Positive | NEG        | POS        | Neg. weak D (Du) not performed | Weak D (Du)-Positive | NEG        | POS      | Neg. weak D (Du) not performed | Weak D (Du)-Positive | NEG        | POS        | Neg. weak D (Du) not performed | Weak D (Du)-Positive | NEG        | POS      | Neg. weak D (Du) not performed | Weak D (Du)-Positive |
| Immucor Tube            | 1          | 45         |                                |                      | 2          | 44         |                                |                      | 38         | 2        | 6                              |                      | 1          | 45         |                                |                      | 38         | 1        | 7                              |                      |
| Ortho Gel               |            | 57         |                                |                      |            | 57         |                                |                      | 21         |          | 36                             |                      |            | 57         |                                |                      | 21         |          | 36                             |                      |
| Ortho Tube              |            | 18         |                                |                      |            | 18         |                                |                      | 11         |          | 7                              |                      |            | 18         |                                |                      | 11         |          | 7                              |                      |
| Other Tube              | 1          | 10         |                                |                      | 1          | 10         |                                |                      | 8          |          | 3                              |                      | 1          | 10         |                                |                      | 7          | 1        | 3                              |                      |
| <b>Total Population</b> | <b>2</b>   | <b>160</b> | <b>0</b>                       | <b>0</b>             | <b>3</b>   | <b>159</b> | <b>0</b>                       | <b>0</b>             | <b>94</b>  | <b>2</b> | <b>66</b>                      | <b>0</b>             | <b>2</b>   | <b>160</b> | <b>0</b>                       | <b>0</b>             | <b>93</b>  | <b>2</b> | <b>67</b>                      | <b>0</b>             |
| <b>Flagging</b>         | ***        |            | ***                            |                      | ***        |            | ***                            |                      |            | ***      |                                |                      | ***        |            |                                | ***                  |            | ***      |                                | ***                  |

**Unexpected Antibody Detection**

| Method                  | Specimen 1  |              |          | Specimen 2  |              |           | Specimen 3  |              |          | Specimen 4  |              |          | Specimen 5  |              |          |
|-------------------------|-------------|--------------|----------|-------------|--------------|-----------|-------------|--------------|----------|-------------|--------------|----------|-------------|--------------|----------|
|                         | Would Refer | Not Detected | Detected | Would Refer | Not Detected | Detected  | Would Refer | Not Detected | Detected | Would Refer | Not Detected | Detected | Would Refer | Not Detected | Detected |
| Immucor Tube            |             | 35           |          |             | 35           | 1         | 33          | 1            |          | 35          | 35           |          |             | 35           |          |
| Ortho Gel               | 16          | 54           |          | 3           | 67           | 16        | 52          | 2            | 3        |             | 67           | 3        | 66          | 1            |          |
| <b>Total Population</b> | <b>16</b>   | <b>113</b>   | <b>0</b> | <b>3</b>    | <b>125</b>   | <b>17</b> | <b>108</b>  | <b>4</b>     | <b>3</b> | <b>0</b>    | <b>126</b>   | <b>4</b> | <b>124</b>  | <b>1</b>     |          |
| <b>Flagging</b>         |             |              | ***      |             | ***          |           |             | ***          | ***      | ***         | ***          |          |             | ***          |          |

**Antibody Identification, First**

| Method                  | Specimen 1        |             | Specimen 2 |           | Specimen 3  |                   | Specimen 4  |           | Specimen 5        |             |          |
|-------------------------|-------------------|-------------|------------|-----------|-------------|-------------------|-------------|-----------|-------------------|-------------|----------|
|                         | Neg not indicated | Would refer | D          | K         | Would refer | Neg not indicated | Would refer | Fy-a      | Neg not indicated | Would refer |          |
| <b>Total Population</b> | <b>8</b>          | <b>0</b>    |            | <b>10</b> | <b>3</b>    | <b>8</b>          | <b>0</b>    | <b>10</b> | <b>3</b>          | <b>8</b>    | <b>0</b> |
| <b>Flagging</b>         |                   |             |            |           |             |                   |             |           |                   |             |          |

\*Per CMS and CAP requirements, starting in 2018 laboratories not marking a response for negative screened samples will be flagged.

**Compatibility Testing**

| Name                    | Specimen 1  |            |                |                                   |                                 |                      | Specimen 2  |            |                |                                   |                                 |                      | Specimen 3  |            |                |                                   |                                 |                      |
|-------------------------|-------------|------------|----------------|-----------------------------------|---------------------------------|----------------------|-------------|------------|----------------|-----------------------------------|---------------------------------|----------------------|-------------|------------|----------------|-----------------------------------|---------------------------------|----------------------|
|                         | Would refer | Compatible | Not Compatible | Immediate spin only, incompatible | Immediate spin only, compatible | Unexp Ab would refer | Would refer | Compatible | Not Compatible | Immediate spin only, incompatible | Immediate spin only, compatible | Unexp Ab would refer | Would refer | Compatible | Not Compatible | Immediate spin only, incompatible | Immediate spin only, compatible | Unexp Ab would refer |
| Immucor Tube            |             | 13         |                |                                   | 10                              |                      | 4           | 16         |                |                                   | 2                               | 1                    | 13          |            |                |                                   |                                 | 9                    |
| Ortho Gel               | 20          | 31         |                | 1                                 | 5                               |                      | 5           | 48         |                |                                   | 4                               | 19                   | 32          |            |                | 1                                 | 5                               |                      |
| <b>Total Population</b> | <b>20</b>   | <b>58</b>  | <b>0</b>       | <b>1</b>                          | <b>20</b>                       |                      | <b>12</b>   | <b>77</b>  | <b>0</b>       | <b>0</b>                          | <b>5</b>                        | <b>20</b>            | <b>57</b>   | <b>1</b>   | <b>1</b>       | <b>20</b>                         | <b>0</b>                        |                      |
| <b>Flagging</b>         |             |            | ***            | ***                               |                                 |                      |             |            | ***            | ***                               |                                 |                      |             | ***        | ***            |                                   | ***                             |                      |

  

| Name                    | Specimen 4  |            |                |                                   |                                 |                      | Specimen 5  |            |                |                                   |                                 |                      |
|-------------------------|-------------|------------|----------------|-----------------------------------|---------------------------------|----------------------|-------------|------------|----------------|-----------------------------------|---------------------------------|----------------------|
|                         | Would refer | Compatible | Not Compatible | Immediate spin only, incompatible | Immediate spin only, compatible | Unexp Ab would refer | Would refer | Compatible | Not Compatible | Immediate spin only, incompatible | Immediate spin only, compatible | Unexp Ab would refer |
| Immucor Tube            | 4           | 2          | 14             |                                   | 2                               | 1                    | 11          | 1          |                |                                   | 10                              |                      |
| Ortho Gel               | 5           | 1          | 48             |                                   | 3                               | 7                    | 42          | 1          | 1              | 1                                 | 6                               |                      |
| <b>Total Population</b> | <b>12</b>   | <b>3</b>   | <b>75</b>      | <b>0</b>                          | <b>5</b>                        | <b>4</b>             | <b>8</b>    | <b>66</b>  | <b>2</b>       | <b>1</b>                          | <b>21</b>                       | <b>0</b>             |
| <b>Flagging</b>         |             | ***        |                | ***                               |                                 |                      |             |            | ***            | ***                               |                                 | ***                  |

Correct responses are defined as those reflecting agreement among 95% or more of all participants or referees. Unacceptable responses are indicated by "\*\*\*\*\*" on the Flagging line of each specimen.