



| Cell Orientation Angle | Static | Low Density Flow (~562 cells/mm ²) | High Density Flow (~1174 cells/mm ²) |
|------------------------|-------------|--|--|
| 0° | 14.2 ± 0.4% | 22.3 ± 1.0% | 18.4 ± 3.3% |
| 15° | 14.1 ± 0.2% | 21.2 ± 1.2% | 17.5 ± 2.4% |
| 30° | 14.1 ± 0.2% | 16.9 ± 0.2% | 15.1 ± 0.7% |
| 45° | 14.2 ± 0.2% | 12.8 ± 0.4% | 13.1 ± 0.6% |
| 60° | 14.4 ± 0.2% | 10.2 ± 0.7% | 12.2 ± 1.5% |
| 75° | 14.4 ± 0.2% | 8.6 ± 0.6% | 11.9 ± 2.0% |
| 90° | 14.5 ± 0.4% | 8.1 ± 0.6% | 11.8 ± 2.2% |

| Cell Orientation Angle | Static vs. Low Density Flow | | Static vs. High Density Flow | | Low Density Flow vs. High Density Flow | | |
|------------------------|-----------------------------|---------|------------------------------|---------|--|---------|--------|
| | Statistically Significant? | P-value | Statistically Significant? | P-value | Statistically Significant? | P-value | |
| Multiple Comparisons | 0° | Yes | <0.0001 | Yes | 0.0063 | Yes | 0.0306 |
| | 15° | Yes | <0.0001 | Yes | 0.0295 | No | 0.0530 |
| | 30° | No | 0.0872 | No | 0.7183 | No | 0.4668 |
| | 45° | No | 0.5033 | No | 0.6611 | No | 0.9740 |
| | 60° | Yes | 0.0047 | No | 0.2314 | No | 0.3543 |
| | 75° | Yes | <0.0001 | No | 0.1330 | No | 0.0871 |
| | 90° | Yes | <0.0001 | No | 0.1043 | No | 0.0506 |