SUPPLEMENTED

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| --- | --- | --- | --- | --- |
| group | | group2 | Mean ± Sd | p-value |
| mRNA Expression | IPS | OCT-4 | 1.55 ± 0.05 | <0.001 |
| SOX-17 | 0.43 ± 0.15 |
| Endoderm (day 7) | OCT-4 | 0.39 ± 0.09 | <0.001 |
| SOX-17 | 3.09 ± 0.06 |
| Relative gene expression | Pdx1 | 2D | 4.10 ± 0.95 | <0.001 |
| 3D | 6.20 ± 1.00 |
| Glut2 | 2D | 1.80 ± 1.00 | <0.001 |
| 3D | 3.20 ± 0.98 |
| Glucagon | 2D | 3.80 ± 0.96 | <0.001 |
| 3D | 6.00 ± 0.97 |
| Insulin production | 5.5 | 2D | 23.33 ± 4.40 | 0.383 |
| 3D | 30.00 ± 5.19 |
| 15 | 2D | 50.00 ± 0.57 | 0.001 |
| 3D | 60.00 ± 1.15 |
| 25 | 2D | 75.00 ± 0.57 | <0.001 |
| 3D | 90.00 ± 1.15 |
| Insulin | 5.5 | 2D | 3.04 ± 1.00 | 0.275 |
| 3D | 4.33 ± 1.52 |
| 15 | 2D | 6.01 ± 0.50 | 0.001 |
| 3D | 11.03 ± 1.01 |
| 25 | 2D | 13.02 ± 0.51 | 0.001 |
| 3D | 19.01 ± 0.99 |
| C peptide | 5.5 | 2D | 8.01 ± 3.12 | 0.357 |
| 3D | 11.02 ± 4.10 |
| 15 | 2D | 15.01 ± 0.99 | 0.001 |
| 3D | 23.06 ± 1.02 |
| 25 | 2D | 31.04 ± 1.52 | 0.002 |
| 3D | 40.09 1.49 |
| C peptide 2 | 5.5 | 2D | 0.70 ± 0.21 | 0.233 |
| 3D | 1.01 ± 0.31 |
| 15 | 2D | 1.80 ± 0.11 | <0.001 |
| 3D | 3.01± 0.09 |
| 25 | 2D | 3.50 ± 0.12 | <0.001 |
| 3D | 4.90 ± 0.10 |