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QkPlate™ human vitronectin coated 6 well plate (Qk2001)



Type: Stem cells, Extracellular Matrix & Coated Plates

Available for purchase: plate quantity: 5, 10, 20

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View this product and buy online

Product Information

QkPlate™ human vitronectin coated 6 well plates are pre-coated with Qkine high purity animal origin-free vitronectin for more reproducible iPSC culture. A convenient solution to save time and resources, QkPlates are dried for room temperature storage and validated >6 months from manufacture.

Vitronectin protein is widely used in stem cell culture. It provides a defined environment that supports the maintenance of pluripotency and is suitable for feeder-free culture, expansion, differentiation, and reprogramming of stem cells. Qkine recombinant vitronectin protein is ultra high-purity with exceptionally low residual endotoxins making it suitable for the reproducible culture of stem cells, primary cells, organoids, and use in sensitive neural differentiations.

More QkPlate™ sizes will be available soon - email support@qkine.com for updates.

Alternative protein names

Truncated Vitronectin, VTN-N, S-protein, Serum-spreading factor, V75

Product Size Wording

5x plates per pack, store at room temperature

Species reactivity

- human

- species similarity:
- mouse - 74%
- rat - 76%
- bovine - 72%
- porcine - 74%

Product Information

- Manufactured in our Cambridge, UK laboratories
- Certified animal origin-free (AOF)
- Store at room temperature
- QkPlates have been tested up to 6 months from manufacture date
- Manufactured in an environment where mammalian cells are handled

Featured applications

- Induced pluripotent stem cell culture and maintenance
- Differentiation of iPSC into endoderm, mesoderm and ectoderm

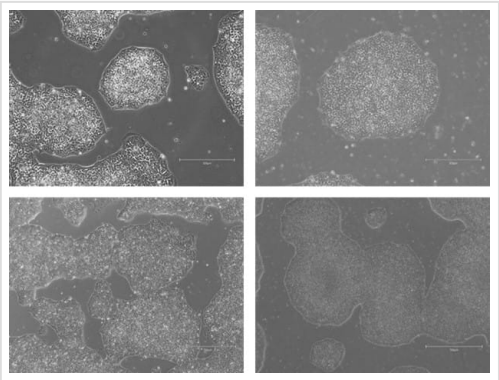
Further quality assays

- Endotoxin: <0.05 EU/µg protein
- Sterility tested

Scientific Information

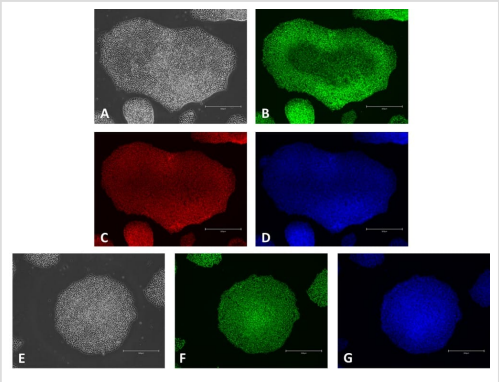
Bioactivity

Phase-contrast images of WTSIi_005A cells cultured on human vitronectin pre-coated QkPlates (Qk2001) that had been dried and stored at room temperature for 6 months before seeding. Images are shown at two magnifications, with scale bars of 300 µm (top row) and 750 µm (bottom row).



Purity

ICC of pluripotency markers in iPSC grown in E8-like medium on Qkplates (Qk2001). Phase contrast image (A); NANOG expression (green, B); OCT-4 expression (red, C); Hoechst 33258 (blue, D); Phase contrast (E); SOX2 expression (green, F); Hoechst 33258 (blue, G). Scale bar = 300 µm.



Original product page: https://qkine.com/product/qkplate-human-vitronectin-coated-6-well-plate-qk2001/

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