The Novel ADBrain™ Model

Sporadic Alzheimer's Disease in 3D

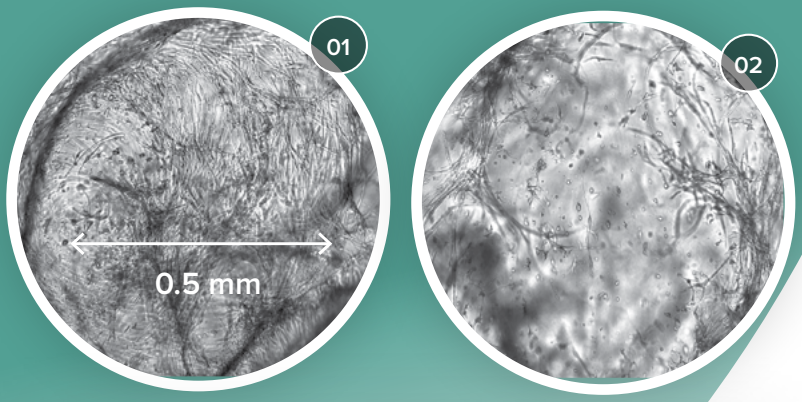
The RealBrain® platform of neural micro-tissues is expanding!

The ADBrain™ model is an industry first 3D human model of sporadic Alzheimer's disease.

ADBrain™ models the Aß42-mediated neurodegeneration seen in Alzheimer's Disease.

Models display many features of Alzheimer's Disease, including:

- Intra-neuronal Aß42 deposition
- Loss of neural networks
- Neurofibrillary tangles
- Hyper-phosphorylated TAU
- Dystrophic axons
- Senile plaques



RealBrain® micro-tissues (day 21 of maturation), showing dense neural networks in the control model (image 01), compared with significantly reduced neural network density in the ADBrain™ model (image 02).

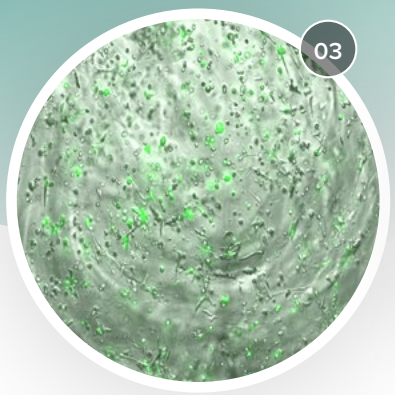
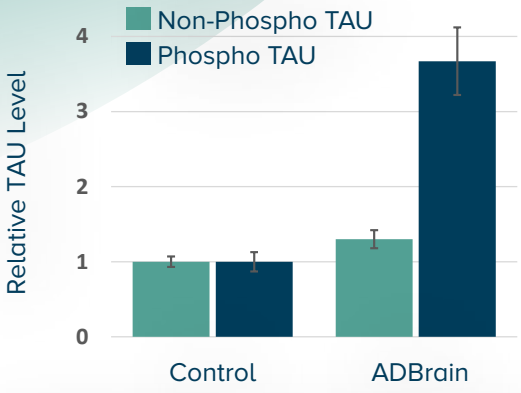


Image 3: ADBrain™ micro-tissue showing intra-neural accumulation of fluorescently labelled Aß42 peptide (day 6 of maturation).



Phospho TAU levels increase x3.7 in ADBrain models in comparison with the control ARTIBrain model.

Register now to receive updates about the ADBrain™ model and a notification when it is available via our early-access program.

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