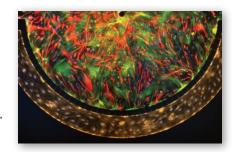
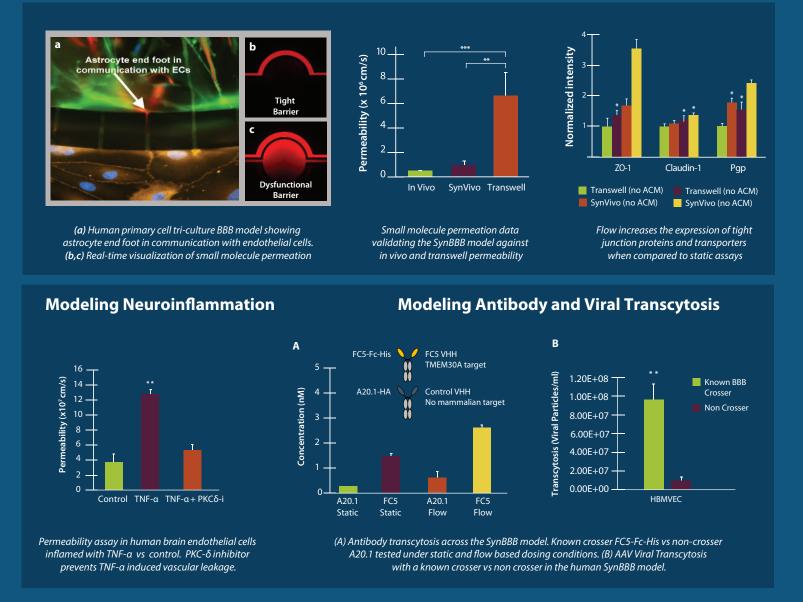
SynBBB Blood Brain Barrier Model

SynBBB Blood Brain Barrier (BBB) on-Chip recreates an *in vivo* like BBB with brain endothelial cells, astrocytes and pericytes with physiological flow to model blood flow and shear stress. SynBBB can be used to detect permeability of compounds from small molecules to biologics. Measure antibody or viral transport across the BBB using receptor mediated transcytosis assays. Measure drug or inflammation induced BBB injury and test drugs that repair a leaky BBB. Model neuroinflammation and test for anti-inflammatory therapeutics.



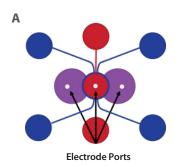
CONTACT US FOR CONTRACT RESEARCH SERVICES USING SynBBB-on-Chip



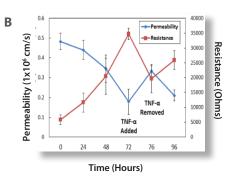
Recreate Normal and Dysfunctional Blood Brain Barrier Models



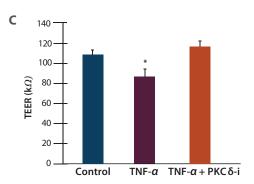
SynBBB TEER Chips Allow Measurement of Resistance on Chip



(A) Cartoon showing TEER enabled SynBBB chip

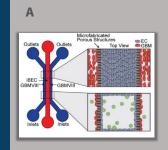


(B) SynBBB TEER chip can be used to measure barrier integrity after treatment with inflammatory cytokines over time.

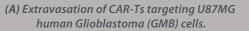


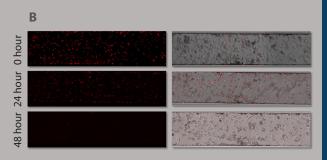
(C) Changes in barrier integrity measured using TEER after TNF-α, or TNF-α plus PKC-δ inhibitor compared to control.

SynBBB Blood-Brain Tumor Barrier Model









(B) GBM Cytotoxicity after CAR-T extravasation

Product Purchase Options

Catalog#	Description	Price
402002 402006 402004	SynBBB Starter Kit - Includes 10 chips, pneumatic priming device, tubing, clamps, syringes, needles. Choose from IMN2 radial, linear or TEER chips. *TEER Starter Kits include impedence analyzer and electrodes, syringes and needles.	IMN2 Radial and Linear Kit \$2,100 IMN2 TEER Kit \$3,600



Contact our expert scientific team to discuss your needs

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