

【SynVivo Chip 一覧】

IMN1	Simple linear and bifurcating channels for monoculture work 単一細胞培養のためのシンプルな直線形および分岐チャネル
IMN2	Idealized microvascular network for co-culture work (w/2D tissue compartment) 共培養用の理想的微小血管ネットワーク (二次元組織コンパートメント付き)
IMN3	Idealized microvascular network for co-culture work (w/3D tissue compartment) 共培養用の理想的微小血管ネットワーク (三次元組織コンパートメント付き)
IMN2-LC	Idealized linear microvascular network for co-culture (w/2D tissue compartment) 共培養用の理想的直線形微小血管ネットワーク (二次元組織コンパートメント付き)
SMN1	Microvascular networks for monoculture work 単一細胞培養のための微小血管ネットワーク
SMN2	Microvascular networks for co-culture work (w/2D tissue compartment) 共培養用の微小血管ネットワーク (二次元組織コンパートメント付き)
SMN3	Microvascular networks for co-culture work (w/3D tissue compartment) 共培養用の微小血管ネットワーク (三次元組織コンパートメント付き)

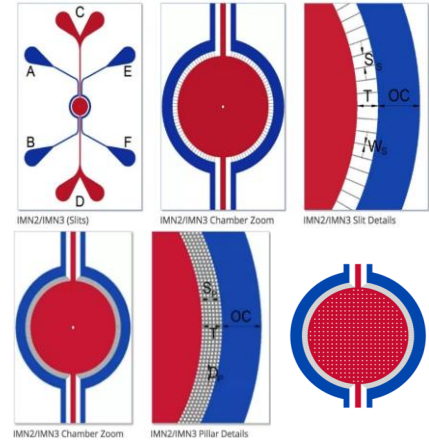
Simple linear and bifurcating channels for monoculture work			
Type	Style	カタログ番号	Design Description
IMN1	直線形チャネル(LC)		
	LC	101001	3×100 μm wide channels, 100 μm depth
		101002	3×250 μm wide channels, 100 μm depth
		101003	3×500 μm wide channels, 100 μm depth
		101004	100 μm + 250 μm + 500 μm wide channels, 100 μm depth
	分岐チャネル(SBC)		
	SBC	101005	30° Sym (15° + 15°) 100 μm parent, 50 μm daughter widths, 100 μm depth
		101006	60° Sym (30° + 30°) 100 μm parent, 50 μm daughter widths, 100 μm depth
		101007	90° Sym (45° + 45°) 100 μm parent, 50 μm daughter widths, 100 μm depth
		101008	120° Sym (60° + 60°) 100 μm parent, 50 μm daughter widths, 100 μm depth
		101009	45° Sym (22.5° + 22.5°) 100 μm parent, 50 μm daughter widths, 100 μm depth
		101017	30° Sym (15° + 15°) 100 μm parent, 50 μm daughter widths, 50 μm depth
		101018	60° Sym (30° + 30°) 100 μm parent, 50 μm daughter widths, 50 μm depth
		101019	90° Sym (45° + 45°) 100 μm parent, 50 μm daughter widths, 50 μm depth
	101020	120° Sym (60° + 60°) 100 μm parent, 50 μm daughter widths, 50 μm depth	
	Cyto-LC		
	Cyto-LC	107001	SynVivo for CytoViva Chip: 3×1000 μm wide channels, 100 μm depth

Radial IMN2/IMN3 (slits and pillars)				
Idealized network chips for co-culture-Radial design				
Type	Model	カタログ番号	Design Description	
IMN2	SynTumor	102004	100 μm OC, 100 μm slit spacing, 2 μm wide slit, 50 μ travel, 100 μm depth	
	SynBBB	102005	200 μm OC, 50 μm slit spacing, 3 μm wide slit, 50 μ travel, 100 μm depth	
	SynBBB-TEER	102015	200 μm OC, 50 μm slit spacing, 3 μm wide slit, 50 μ travel, 100 μm depth, w/impedance capability	
	SynRAM	SynTumor	102006	200 μm OC, 50 μm slit spacing, 3 μm wide slit, 100 μ travel, 100 μm depth
			102007	200 μm OC, Pillars, 3 μm Gap, 100 μm Travel-----3/100 μm
			102008	200 μm OC, Pillars, 8 μm Gap, 50 μm Travel-----3/100 μm
			102009	200 μm OC, Pillars, 3 μm Gap, 50 μm Travel-----3/100 μm
			102010	200 μm OC, Pillars, 8 μm Gap, 100 μm Travel-----3/100 μm
		102011	200 μm OC, Pillars, 3 μm Gap, 100 μm Travel-----8/100 μm	
	SynTumor	102012	200 μm OC, Pillars, 8 μm Gap, 50 μm Travel-----8/100 μm	
	SynTox		102016	200 μm OC, 50 μm slit spacing, 2 μm wide slit, 50 μ travel, 100 μm depth
			102017	200 μm OC, 50 μm slit spacing, 2 μm wide slit, 100 μ travel, 100 μm depth

Idealized network chips for co-culture-Linear design			
Type	Model	カタログ番号	Design Description
IMN2 -LC	200-500-200	108011	200 μm-500 μm-200 μm Channel Widths; 50 μm Travel-3 μm Height Barrier: 3 μm slits-50 μm Separation, 100 μm Depth
	200-500-200	108012	200 μm-500 μm-200 μm Channel Widths; 50 μm Travel-3 μm Height Barrier: Pillars, 100 μm Depth
	500-500-500	108013	500 μm-500 μm-500 μm Channel Width; 50 μm Travel, 3 μm slits-50 μm Separation, 100 μm Depth
	500-500-500	108014	500 μm-500 μm-500 μm Channel Width; 50 μm Travel, 20 μm Dia-3 μm Gap Pillars, 100 μm Depth
	500-200-500	108007	200 μm-500 μm-200 μm Channel Widths; 50 μm Travel-5 μm Height Barrier: 5 μm Slits-50 μm Separation, 100 μm Depth

Idealized network chips for co-culture-Radial design with 3D tissue chamber		
Type	カタログ番号	Design Description
IMN3	103002	200 μm OC, Pillars, 3 μm gap, 100 μm travel, 100 μm depth; Chamber: 25 μm Diameter, 50 μm Separation; Barrier: 10 μm Diameter, 3 μm Separation
	103004	200 μm OC, Pillars, 8 μm gap, 100 μm travel, 100 μm depth; Chamber: 25 μm Diameter, 50 μm Separation; Barrier: 10 μm Diameter, 8 μm Separation
	103006	100 μm OC, 50 μm Slit spacing, 2 μm slit gap, 100 μm travel, 100 μm depth; Chamber pillars – 25 μm Diameter, 50 μm Separation; Barrier pillars – 2 μm Slits, 50 μm Separation
	103007	100 μm OC, 50 μm Slit spacing, 2 μm slit width, 100 μm travel; Chamber pillars – 25 μm Diameter, 50 μm Separation; Barrier pillars – 2 μm Slits, 50 μm Separation

Radial IMN2/IMN3 (slits and pillars)	
Slit Barrier Option	
このデバイスは、スリットとギャップを利用して、外側チャンネルと内側チャンバーの間にバリア領域を形成します。	
Standard design parameters available are:	
Outer Channel Width (OC): 100 μm or 200 μm	
Travel Width (T): 50 μm or 100 μm	
Slit Spacing (SS): 50 μm or 100 μm	
Slit Width (W_s): Variable	
Pillar Barrier Option	
このデバイスは、ピラー（柱構造）を利用して、外側チャンネルと内側チャンバーの間にバリア領域を形成します。	
Standard design parameters available are:	
Outer Channel Width (OC): 100 μm or 200 μm	
Travel Width (T): 50 μm or 100 μm	
Pillar Spacing (Gap) (SP): 8 μm or 3 μm	
Pillar Diameter (D_p): Variable	
Pore sizes available 3 μm or 8 μm	



Microvascular Network Chips for Monoculture			
Type	Style	カタログ番号	Design Description
SMN1	C001	104001	Network 001, 100 μm depth
	D001	104002	Network 002, 100 μm depth
	C002	104003	Network 003, 100 μm depth
	C003	104004	Network 004, 100 μm depth
	C004	104005	Network 005, 100 μm depth
	C005	104006	Network 006, 100 μm depth
	C006	104007	Network 007, 100 μm depth
	C007	104008	Network 008, 100 μm depth
	D002	104009	Network 009, 100 μm depth
	D003	104010	Network 010, 100 μm depth
	D004	104011	Network 011, 100 μm depth
	D005	104012	Network 012, 100 μm depth
	D006	104013	Network 013, 100 μm depth
	D007	104014	Network 014, 100 μm depth

Microvascular Network Chips for Co-Culture			
Type	Style	カタログ番号	Design Description
SMN2	C001/SynRAM	105001	3 μm Height Barrier: 10 μm Dia-50 μm Separation, 100 μm Depth
	D001	105002	3 μm Height Barrier: 10 μm Dia-50 μm Separation, 100 μm Depth
	C001	105003	3 μm Height Barrier: 20 μm Dia-3 μm Separation, 100 μm Depth
	D001	105004	3 μm Height Barrier: 20 μm Dia-3 μm Separation, 100 μm Depth
	C001	105005	2 μm Height Barrier: 10 μm Dia-50 μm Separation, 100 μm Depth
	D001	105006	2 μm Height Barrier: 10 μm Dia-50 μm Separation, 100 μm Depth
	C001/SynTumor	105007	2 μm Height Barrier: 20 μm Dia-3 μm Separation, 100 μm Depth
	D001	105008	2 μm Height Barrier: 20 μm Dia-3 μm Separation, 100 μm Depth
	C002/SynTumor	105015	8 μm Height Barrier: 10 μm Dia-50 μm Separation, 100 μm Height (1 chamber)
		105011	8 μm Height Barrier: 20 μm Dia-30 μm Separation, 100 μm Height (3 chamber)

SMN3 chips (3D tissue chamber)			
Type	Style	カタログ番号	Design Description
SMN3	C001	106003	2 μm Height Barrier: 20 μm Diam-3 μm Separation, 25 μm Dia-50 μm Separation Chamber pillars, 100 μm Depth
	D001	106004	2 μm Height Barrier: 20 μm Diam-3 μm Separation, 25 μm Dia-50 μm Separation Chamber pillars, 100 μm Depth

Multi-chambered chips for studying the effect of high and low perfusion			
高灌流と低灌流の効果を研究するためのマルチチャンバーチップ			
Type	Style	カタログ番号	Design Description
SMN3	C002	106009	8 μ m Height Barrier: 20 μ m Dia-30 μ m Separation, 25 μ m Dia-50 μ m Separation Chamber pillars, 100 μ m Height
	D002	106010	8 μ m Height Barrier: 20 μ m Dia-30 μ m Separation, 25 μ m Dia-50 μ m Separation Chamber pillars, 100 μ m Height

Tandem-co-culture chips used for real time visualization and quantitation of tumor metastasis			
腫瘍転移のリアルタイム視覚化と定量化に使用されるタンデム共培養チップ			
Type	Style	カタログ番号	Design Description
SMN3	SMN3 - JN1-100 Tandem (SMN3 \times 2)	106013	Barrier Pillars-20 μ m diameter- 10 μ m gap between pillars; Tissue chambers: 25 μ m diameter pillars and 50 μ m gap between pillars; 100 μ m height

