

Table 2. Model parameters for 2D simulation

Dimensional		Dimensionless	
Domain size	$0.2 \times 0.2 \text{ cm}^2$	Domain size	0.2×0.2
Mesh size	0.0015625 cm	Mesh size	0.015625
Maximum boundary points	512	Grid points	128×128
Time-step	$1 \times 10^{-4} \text{ h}$	Time-step	1×10^{-4}
Simulation time	24 h	Simulation time	24
Lag time	30 min	Lag time	0.5
k_{FGF}	2 h^{-1}	\hat{k}_{FGF}	2
V_Z	500 h^{-1}	V_Z	500
K_Z	1 nM	K_Z	1
V_A	50 h^{-1}	V_A	50
K_A	1 nM	K_A	1
ρ	$1 \text{ g}\cdot\text{cm}^{-3}$	ρ	1
μ	$1 \times 10^7 \text{ g}\cdot\text{cm}^{-1}\cdot\text{s}^{-1}$	μ	1×10^7
		S_1	1×10^{10}
		S_2	4×10^{11}
		S_3	4×10^{11}