
Supplementary information

Preparation of single-cell suspensions of mouse glomeruli for high-throughput analysis

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Supplementary Table 1: Enzymatic digestion buffers and level of dissociation of glomeruli to single-cells.

Enzymatic digestion buffers A-E and Digestion Buffer II were tested under similar incubation conditions to determine and compare the level of dissociation. Appropriate institutional regulatory board permission was obtained for all animal experiments.

Mix	Enzyme	Concentration	Manufactur	Cat. no.	Dissociation level (+ to +++)
A	Collagenase Type I	5 mg/ml	Worthington	LS004196	+
	Pronase E	1 mg/ml	Millipore Sigma	P6911	
	DNase I	50 U/ml	Millipore Sigma	D4527	
B	Collagenase Type II	5 mg/ml	Worthington	LS004176	+
	Pronase E	1 mg/ml	Millipore Sigma	P6911	
	DNase I	50 U/ml	Millipore Sigma	D4527	
C	Collagenase Type IV	5 mg/ml	Worthington	LS004188	+
	Pronase E	1 mg/ml	Millipore Sigma	P6911	
	DNase I	50 U/ml	Millipore Sigma	D4527	
D	Trypsin Type IX-S	5 mg/ml	Millipore Sigma	T0303	+
	Dispase II	2 U/ml	Roche Applied Science	4942078001	
	Collagenase D	2 U/ml	Roche Applied Science	11088866001	
	DNase I	100 U/ml	Millipore Sigma	D4527	
E	Trypsin Type II-S	5 mg/ml	Millipore Sigma	T7409	++
	Dispase II	2 U/ml	Roche Applied Science	4942078001	
	Collagenase D	2 U/ml	Roche Applied Science	11088866001	
	DNase I	100 U/ml	Millipore Sigma	D4527	
Digestion Buffer II	Trypsin	0.5%	Thermo Fisher Scientific	15090046	+++
	Dispase II	2 U/ml	Roche Applied Science	4942078001	
	Collagenase D	2 U/ml	Roche Applied Science	11088866001	
	DNase I	10 U/ml	Millipore Sigma	D4527	