

Appendix:

Table A1: Histological Composition

Composition Ratio's	MSB Histological Stain				Immunohistochemistry			
	Red Blood Cells	White Blood Cells	Fibrin	Platelets and Other	CD42b	Tissue	vWF	Tissue
RBC+Buffy Coat : Plasma Only								
1:5	78.84%	0.33%	7.61%	13.22%	2.64%	97.36%	1.81%	98.19%
1:10	78.02%	0.07%	13.16%	8.74%	1.44%	98.56%	1.05%	98.95%
1:50	28.67%	0.15%	42.55%	28.63%	0.46%	99.54%	3.27%	96.73%
1:100	19.61%	0.04%	45.73%	34.62%	3.03%	96.97%	1.18%	98.82%
RBC+Buffy Coat : Platelets Only								
1:5	59.22%	1.05%	12.59%	27.15%	30.44%	69.56%	19.26%	80.74%
1:10	30.09%	0.91%	4.17%	64.83%	47.11%	52.89%	63.43%	36.57%
1:50	15.33%	0.03%	5.87%	78.77%	19.30%	80.70%	17.44%	82.56%
1:100	12.01%	0.03%	4.29%	83.66%	25.35%	74.65%	34.65%	65.35%
RBC+Buffy Coat : Platelets + Plasma								
1:5	91.42%	0.06%	3.11%	5.41%	22.73%	77.27%	3.49%	96.51%
1:10	77.13%	0.19%	13.17%	9.51%	12.31%	87.69%	15.47%	84.53%
1:50	50.51%	0.01%	19.45%	30.03%	12.01%	87.99%	10.81%	89.19%
1:100	8.90%	0.06%	53.39%	37.64%	11.72%	88.28%	2.25%	97.75%

Table A2: Raw result of revascularization in the benchtop thrombectomy testing platform.

Clot	Direct Aspiration (DA)					Stentriever + Aspiration (STR+A)			
	Ingestion?	Pass 1	Pass 2	Pass 3	DE?	Pass 1	Pass 2	Pass 3	DE?
Soft									
#1	Yes	SR			No	SR			No
#2	Yes	SR			No	SR			No
#3	Yes	SR			No	SR			No
#4	Yes	SR			No	SR			No
#5	No	SR			No	SR			No
Elastic									
#1	Yes	SR			No	Fail	Fail	SR	Yes
#2	Yes	SR			No	SR			No
#3	No	SR			Yes	Fail	SR		Yes
#4	No	SR			No	Fail	SR		Yes
#5	No	SR			No	SR			No
Stiff									
#1	Yes	SR			No	Fail	Fail	Fail	Yes
#2	No	Fail	Fail	Fail	Yes	Fail	SR		Yes
#3	No	SR			Yes	SR			No
#4	No	Fail	Fail	Fail	Yes	SR			No
#5	No	Fail	Fail	Fail	Yes	SR			No

SR: Successful Revascularization; Fail: Failed Revascularization; DE: Distal Embolization