**Table S1. *In vitro* transit time flow measurements.**

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| --- | --- | --- |
| **Getinge Rotaflow HL20 Bioconsole****(ml/min)** | **Transonic blood flowmeter HT110 (ml/min)** | **Transit Time Flow Measurement (ml/min)** |
| 210 | 52 | 253 |
| 420 | 259 | 532 |
| 500 | 328 | 317 |
| 610 | 440 | 680 |
| 790 | 638 | 830 |
| 1000 | 842 | 1087 |
| 1080 | 884 | 977 |
| 1190 | 1030 | 1150 |
| 1410 | 1252 | 1390 |
| 1480 | 1301 | 1446 |
| 1510 | 1339 | 1680 |
| 1590 | 1439 | 1529 |
| 1780 | 1622 | 1670 |
| 1950 | 1744 | 2029 |
| 1990 | 1800 | 1968 |
| 2220 | 2032 | 2249 |
| 2390 | 2196 | 2515 |
| 2470 | 2279 | 2525 |
| 2590 | 2386 | 2618 |
| 2780 | 2574 | 2549 |