

Figure 1S – (a) Droplet formation with a hydrophobic coating showing a more spherical droplet formation. (b) Droplet breaking onto the electrode/wick in less than 16 ms (maximum frame rate for video), and (c) the process repeating.

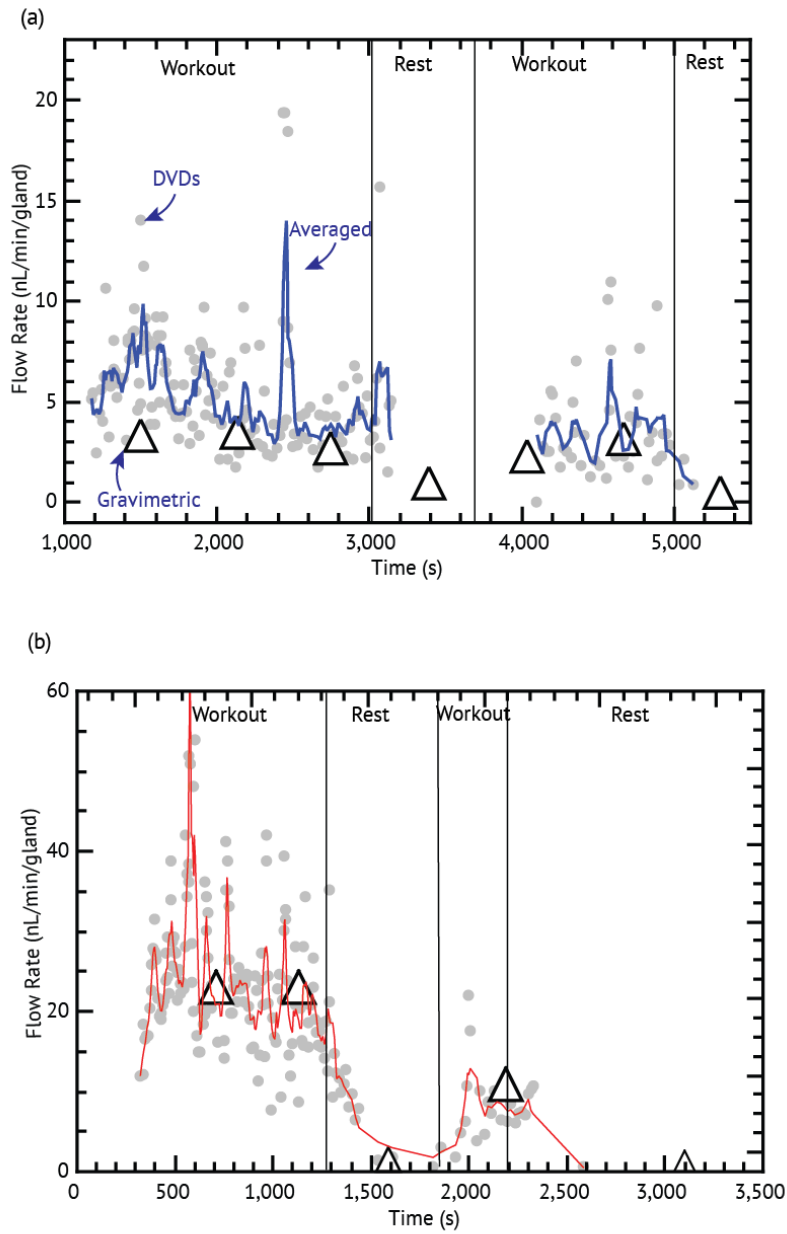


Figure 2S – (a) Exercise sweat test for a female subject and (b) male subject. Shows DVDs (gray circles) and gravimetric data (white triangles). The moving average of the DVDs data is also shown (blue line).

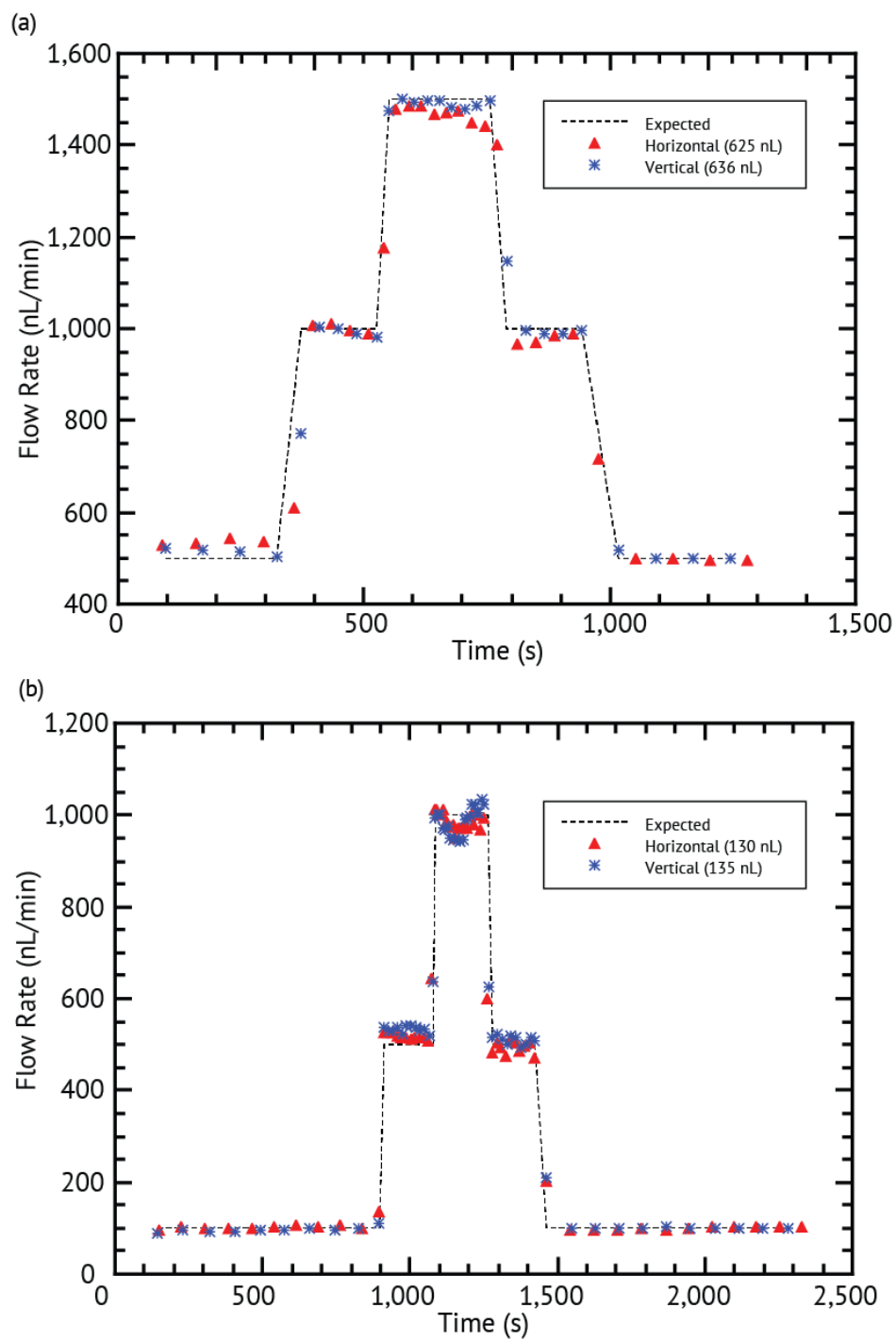


Figure 3S – Gravity experiments showing identical calibration runs for horizontal (triangles) and vertical (stars) positions for (a) large well layer (XXX μm) and (b) small well layer (XXX μm).

Table 1S – Longevity experiment. Continuous flow set at 100nL/min with daily calibration runs (100,500,1000,500,100 nL/min) until failure. Average volume and Std. Dev. calculated for each calibration run.

Day	Average Volume (nL)	Standard Deviation (nL)
1	190	8.90
2	185	4.12
3	184	3.31
4	185	4.73
8	216	3.90
9	222	4.27
10	226	4.31
All	197	17.9