

## Supplementary Material

### Deformability measurement of red blood cells using microfluidic channel array and air cavity in driving syringe with high throughput and precise detection of subpopulations

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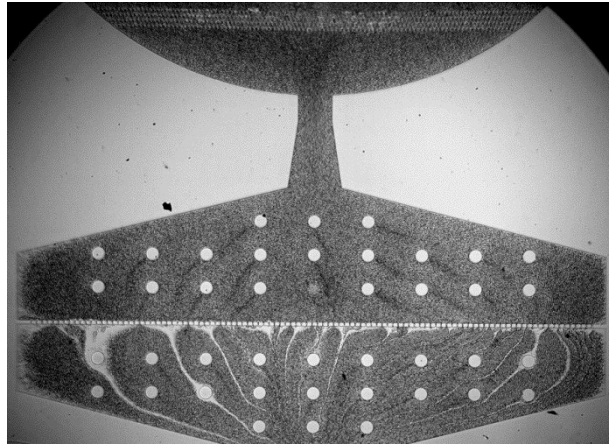
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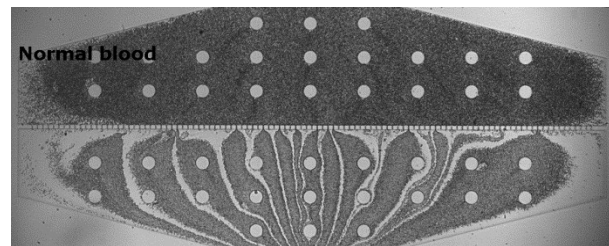
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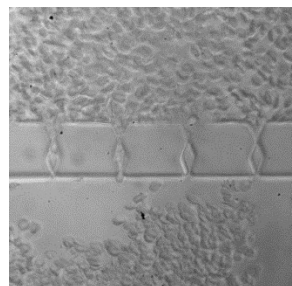
#1: MOVIE-1: Figure 1C (a microfluidic device)



#2: MOVIE-2: Figure 1D (normal blood)



#MOVIE-3: (Blood cells passing through the microfluidic channel array)



#MOVIE-4: Figure 4A (*P. falciparum*-infected blood sample)

