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Supporting Information

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A Radial Flow Microfluidic Device for Ultra-High-Throughput Affinity-Based Isolation of Circulating Tumor Cells

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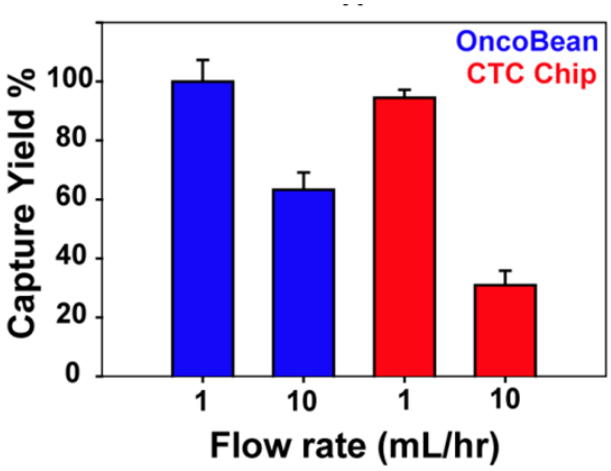

Figure S1. Comparison of H1650 cell line capture in serum free medium between OncoBean and CTC Chip at 1 and 10 mL hr^{-1} normalized to OncoBean Chip at 1 mL hr^{-1}

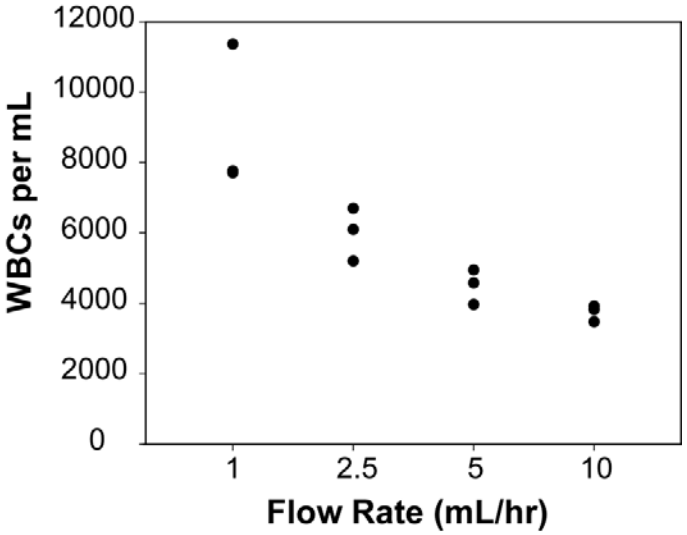

Figure S2. Effect of flow rates on non-specific white blood cells capture on the OncoBean Chip shows a 2-fold drop in WBCs at 10 mL hr^{-1} compared to 1 mL hr^{-1}

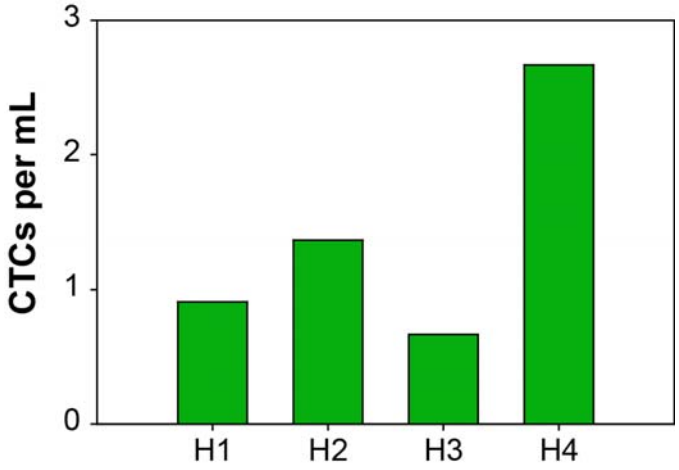

Figure S3. Healthy controls processed through the OncoBean Chip at 10 mL hr^{-1} against anti-EpCAM showing number of CK+, CD45-, DAPI+ cells.

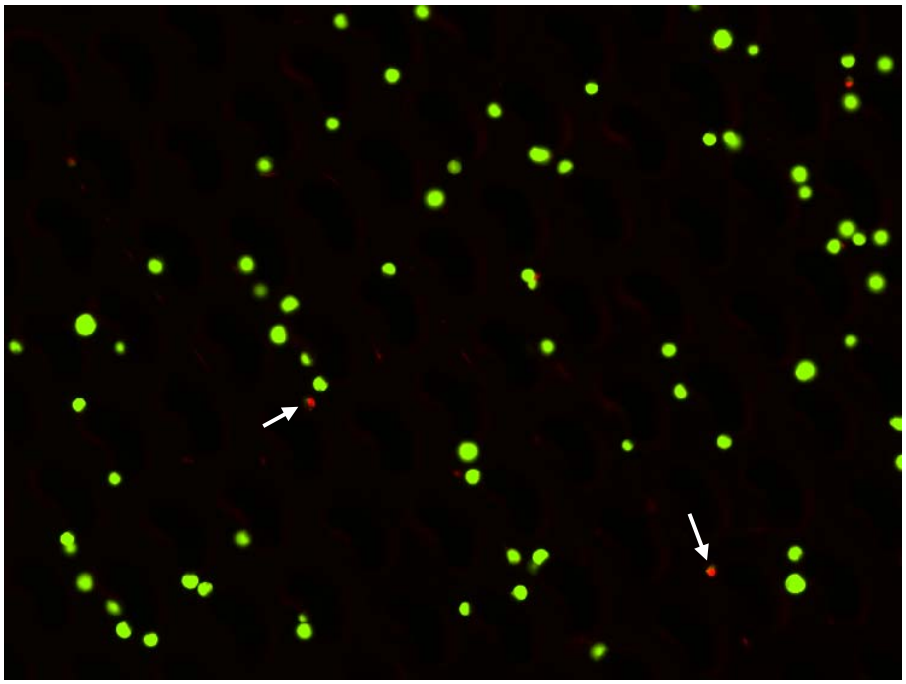

Figure S4. Invitrogen Live/Dead viability assay shows live H1650 cells (green) and dead H1650 cells (red) in one section of the device after capture at 10 mL hr^{-1} on the OncoBean Chip.