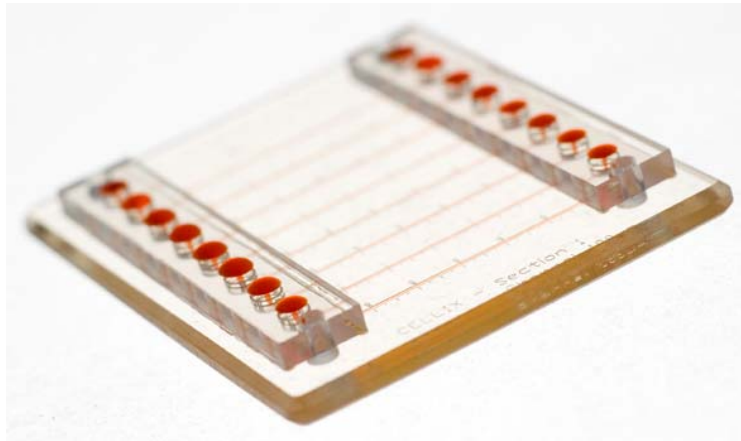


Vena8™ Biochip



▪ Vena8™ Biochip Performance Specifications:

The ligand coating used to coat the walls of the microcapillary of the biochip may include such coatings as VCAM-1, ICAM-1, Fibronectin, vWF, fibrinogen, collagen. Minimum amount of sample used to coat each microcapillary within the biochip is 10µL including dead volume.

Wide range of cell samples are compatible with Vena8™ biochips including T-cells (Hut78 cell line and peripheral blood t-lymphocytes), monocytes, neutrophils, eosinophils, platelets, whole blood (heparanized). For further details on assays, please consult our application notes.

Cell Suspension Assay

Minimum Cell Sample Volume:	10µL
Maximum Cell Sample Volume:	100µL
Shear Stress Range*:	0.05 - 20 dyne/cm ² , steps of 0.05 dyne/cm ²
Volumetric Flow Rates:	100nL/minute - 20 µL/minute
Sample Volume Aspiration Accuracy:	±1%
Shear Stress Accuracy:	±0.5%
Sample Volume Aspiration Precision:	<1% CV
Shear Stress Precision:	<0.5% CV

*Utilising Cellix's Mirus™ 1.0 Nanopump.

▪ Vena8™ Biochip Technical Specifications:

Number of channels per biochip:	8
Volume of each channel:	0.8µL
Height of each channel:	100 µm / 0.1mm
Width of each channel:	400 µm / 0.4mm
Length of each channel:	20mm
Dead volume at input port:	0.1 µL
Vena8™ Biochip dimensions:	400 µm (W) x 100 µm (D) x 20mm (L)