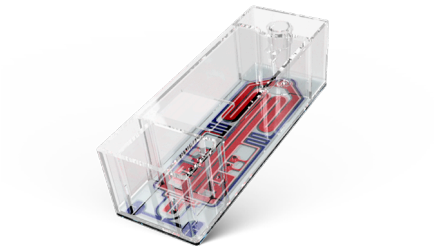
# Disposable cell concentration chip

Microfluidic chip for concentrating cells from a suspension without centrifugation.

Cell concentration



## Features

- Microchannels separate cells from excess medium using flow rather than centrifugation.
- A disposable chip fits a syringe-pump workflow inside a clean bench.
- Separate outlets collect the enriched cell fraction and waste medium.

## Technical specifications

| | |
|---|---|
| Suitable cell size | 7-15 µm |
| Input concentration | Approximately 2 × 10^6 cells/mL in the brochure specification |
| Sample volume | 2-20 mL |
| Nominal flow rate | 1 mL/min |
| Enrichment | 20-fold or more; sample-dependent |
| Recovery | 90% or more in the brochure specification; sample-dependent |
| Chip dimensions (H × W × L) | 23 × 26 × 76 mm |
| Chip weight | 15.3 g |
| Packing | Five chips per box |
| Optional pump dimensions | 28 × 11 × 26 cm |
| Optional pump weight | 4 kg |
| Pump power input | 100-240 V AC, 50/60 Hz |
| Pump environment | 20-35 °C; relative humidity below 95% |

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## Applications

- Concentrate suitable cell suspensions before downstream assays.
- Reduce sample handling steps in centrifugation-free preparation workflows.

## Configurations and accessories

- Select chips, a motorised syringe pump and compatible disposable syringe tips.
- Provide cell diameter, input concentration, medium and required final volume for suitability review.

## Selection notes

- Enrichment and recovery depend on cell type, size distribution and operating protocol.

Precisometer | info@precisometer.com

https://www.precisometer.com/microscopy/life-science-instruments/cell-concentration/cell-concentration-chip