DATASHEET

Standard PDMS Microfluidic Chip, PDMS/Glass, Dual 50µm & 100µm Channels, Plasma-Bonded, Starter Kit with PTFE Tubing & Syringe, 45x20mm, for Lab Research & Teaching (RUO)

Entry-level PDMS/glass chip with dual 50 µm and 100 µm channels in a simple layout. Complete starter kit with PTFE tubing and syringe. Ideal for students, teaching labs and teams testing new microfluidics protocols (RUO).

APPLICATION

Microfluidics & Life Science

KEY SPECS

- Material: RTV615 PDMS / Borosilicate Glass
- Channel Layout: Dual Width (50 & 100) µm
- Channel Width: 50 / 100 µm
- Channel Depth: 50 µm

1. Specifications

Material	RTV615 PDMS / Borosilicate Glass
Channel Layout	Dual Width (50 & 100) µm
Channel Width	50 / 100 µm
Channel Depth	50 µm
Chip Format	45 × 20 mm
Substrate Thickness	1 mm
Port Size	0.7 (22-gauge compatible) mm
Bonding	Oxygen Plasma (Permanent)
Operating Pressure	≤ 0.3 MPa

2. Product Details

The Standard PDMS Microfluidic Chip features dual-width channels (50 µm and 100 µm) in a simple layout — perfect for proof-of-concept experiments and protocol development. It is the most cost-effective way to start microfluidics, ideal for students, teaching labs and teams testing new protocols. RTV615 PDMS is permanently plasma-bonded to borosilicate glass, providing optical clarity for fluorescence and brightfield imaging. Compact 45×20 mm form factor with multiple inlet/outlet ports allows flexible fluid routing. The complete kit includes PTFE tubing, blunt needle tips and a syringe — a perfect first chip for anyone entering the microfluidics field. **For research use only (RUO). Not for use in diagnostic or therapeutic procedures.**

In stock at Amazon warehouse, ship same day: https://www.amazon.com/dp/B0H6FSNJ14

3. Order / Quote

Model	Pack Size	Availability
LC-STD-K0001	1× PDMS/glass chip (45×20 mm), 1× PTFE tubing set, 2× blunt needle tips, 1× syringe, 1× sealed ESD bag with RUO label	In stock (Amazon / US warehouse)

Current pricing and ordering: labcorematerials.com/products/standard-pdms-microfluidic-chip/

4. Shipping & Compliance

- Ships as empty microfluidic hardware. No reagents, no biological materials. Not classified as dangerous goods.

Contact

business@labcorematerials.com

www.labcorematerials.com/products/standard-pdms-microfluidic-chip/