LabCore
MATERIALS

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).

Microfluidic Chips

Microfluidics & Life Science

labcorematerials.com

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Product Overview

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).

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 45x20 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

Technical Specifications

Parameter	Value	Unit
Material	RTV615 PDMS / Borosilicate Glass	
Channel Layout	Dual Width (50 & 100)	µm
Channel Width	50 / 100	µm
Channel Depth	50	µm
Chip Format	45 x 20	mm
Substrate Thickness	1	mm
Port Size	0.7 (22-gauge compatible)	mm
Bonding	Oxygen Plasma (Permanent)	

Operating Pressure	<= 0.3	MPa

Order / Quote

Model	Pack Size	Availability
LC-STD-K0001	1x PDMS/glass chip (45x20 mm), 1x PTFE tubing set, 2x blunt needle tips, 1x syringe, 1x sealed ESD bag with RUO label	In stock (Amazon / direct)

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

Shipping & Compliance

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

Contact

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