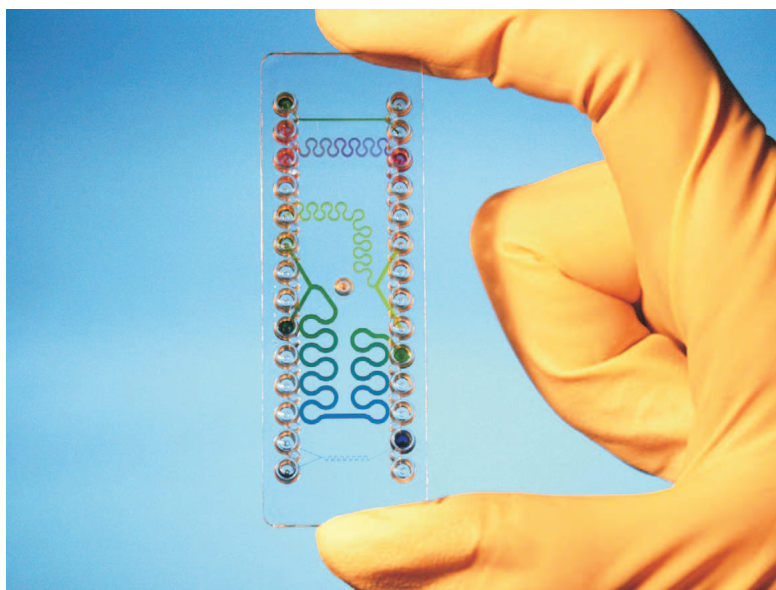


SMS0104

snake mixer slide

Main features

- several mixers on one chip
- made of transparent plastic
- simple channel geometry (resulting in less fouling trouble)
- slide format



The SMS0104 features a total of four passive flow-through mixers, which intermix smallest liquid volumes within milliseconds. The mixers are integrated on

a microscope slide and cover a wide range of potentially interesting flow rates or viscosities. The slide is made of cyclo-olefin copolymer (COC), which combines good

optical properties with biocompatibility and good chemical resistance to most acids and bases.

Technical specifications

max. inlet pressure (at 20° C)	min. 6000 hPa (≈87 psi)
operating temperature	10° - 50° C
media temperature	10° - 50° C
storage temperature	10° - 50° C
material	COC (Topas®)

Fluid connection

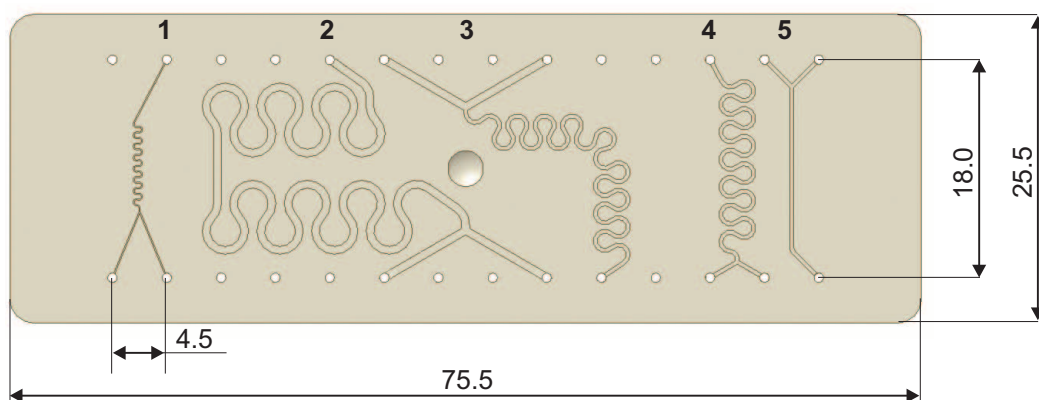
A set of connectors is available which allows to connect standard tubes or typical laboratory tools such as pipettes or syringes to the fluid ports of the SMS0104.

Dimensions

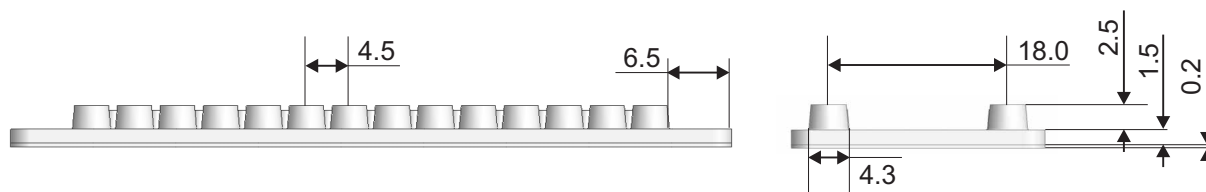
channel no.*	length**	width/depth**	internal volume*	max. particle size
1	21 mm	100 µm	0.2 µl	5 µm
2	121 mm	640 µm	49.6 µl	5 µm
3	66 mm	320 µm	6.8 µl	5 µm
4	50 mm	320 µm	5.1 µl	5 µm
5	16 mm	320 µm	1.6 µl	5 µm

* cf. page 2, top figure

** between confluence and outlet



(bottom view)



(all dimensions in mm)

Order information

Description	Product code	Order code	Quantity
Snake Mixer Slide	SMS0104	SC01CC0405	5