



The photograph only shows a selection of the delivery items. Glassware not included.

With our Construction!Kit you will significantly accelerate the development of your own Lab-on-Chip products. The modular concept and the basic platform technology allow

- economical access to the fields of microfluidics,
- to test fluidic single functions and parameter studies,
- to generate complete protocols and
- to develop and verify your product specifications.

thinXXS microfluidic Construction!Kit

The Construction!Kit includes:

- 1 microplate assembly platform**
- 5 snake mixer slides**
- 5 fluid splitter slides**
- 1 twin pump slide (incl. an electronic pump control and an AC/DC converter)**
- 1 set of micro connectors, plugs, and tubing**

Short descriptions

snake mixer slide (SMS0104)

The SMS0104 snake mixer slide features a total of four passive flow-through mixers, which intermix smallest liquid volumes within milliseconds and cover a wide range of flow rates or viscosities.

fluid splitter slide (SCS0105)

The SCS0105 splitter slide features one 1-to-8 and two 1-to-4 microfluidic manifolds. It allows to divide a sample into up to eight equal streams, for instance, for parallel processing.

twin pump slide (TPS1304)

The TPS1304 integrates two thinXXS micro diaphragm pumps on top of a plastic slide. The pumps pump between a few microliters and several milliliters of water per minute. They can be independently controlled by the EDP0704 electronic pump control.

micro connectors, plugs, tubing

Micro connectors are made of either COC or PP and allow to link fluid ports on the different slides to each other or to connect standard tubes or typical laboratory equipment such as pipettes and syringes. Included in this kit are: 50 micro fluid connectors (MFC0204), 50 micro pipette connectors (MPC0105), and 50 micro luer connectors (MLC0105). In addition, 50 micro plugs (MPG0105) and 2 x 1 m of tubing are provided.

Order information

Description	Product code	Mains supply	Order code	Price/Case
Microfluidic Construction Kit	MCK0105	Europe	MK01XX0501DE	1.795 EUR
		North America	MK01XX0501US	1.795 EUR
		Japan	MK01XX0501JP	1.795 EUR