

Automated PCR Setup Benchtop Instrument Specifications

Pipetting head (softwarecontrolled)	Single channel, 20–150 µl/s
Precision	CV<1%, 5–200 µl (dry-well transfer) CV<5%, 2–5 µl (wet-well transfer) CV<10%, 1 µl
Tip volume	1–200 µl
Conductive Filtered Tips	50 µl and 200 µl Conductive Filtered Tips for liquid-level sensing
Liquid-level sensing	Minimum detection volume (10 µl in 200 µl PCR tubes). Only functional in combination with Conductive Filtered Tips.
Tip disposal	All used tips ejected externally, no waste accumulation on the worktable.
Notebook (supplied) XP	Fujitsu Siemens Lifebook S7110 Notebook 2
UV lamp	UV lamp for worktable decontamination.
HEPA filter	Dual-cartridge 3M Air-Mate™ HEPA (High Efficiency Particulate Air) filter system provides positive pressure clean air within the closed hood.
Dimensions (approximate)	Height: 45 cm (17.7 in.) hood closed Width: 55 cm (21.6 in.) Depth: 63 cm (24.8 in.) without cables
Weight (approximate)	41 kg (90.2 lb) standard configuration
Temperature	Operating temperature: 15–35°C (59–95°F)
Humidity	Operating humidity: 40–70%
Electrical	100–240 V, 250 VA, 50–60 Hz, 5 A fuse

Table capacity	6 x SBS positions (127.76 x 85.48 mm) for adapters and Tip Rack Holders 1 x Master Mix Block 1 x Reagent Block
Consumables	10 racks of 96 x 50 µl Conductive Filtered Tips 10 racks of 96 x 200 µl Conductive Filtered Tips 50 x 5 ml free-standing tubes 10 x Tip Receptacle Boxes
Accessories	2 x Adapters (96 x 0.2 ml PCR tubes) 1 x Flip-Cap Adapter (32 x 1.5 ml tapered tubes) 1 x Flip-Cap Tube Lifter (32 x 1.5 ml tapered tubes) 1 x Reagent Block (8 x 1.5 ml tapered tubes, 8 x 2 ml free-standing tubes, and 16 x 200 µl PCR tubes) 1 x Master Mix Block (1 x 5 ml and 4 x 1.5 ml tubes) 1 x Master Mix Block (5 x 5 ml tubes) 4 x Tip Rack Holders 1 x Pipettor Service Kit
Communications	USB
Minimum computer requirements	Desktop computer: Windows® XP Pro SP2, at least 2.6 GHz Pentium® 4 CPU, at least 512 MB RAM, RS-232 serial port, USB 1.1 port, DVD/CD-ROM, 80 GB free hard drive capacity, at least 1024 x 768 screen resolution Laptop computer: Windows XP Pro SP2, at least 1.6 GHz Pentium M CPU, at least 512 MB RAM, USB 1.1 port, PCMCIA slot, DVD/CD-ROM, 80 GB free hard drive capacity, at least 1024 x 768 screen resolution

Software

Supplied with unlimited user license

Free upgrades by web download

Intuitive layout

Calculation of reagent needs according to the specified number of reactions and replicates

Options for tip re-use

Import and export of sample names

Pre- and post-run reports, including worktable setup guide

Virtual mode allows simulation of new protocols

Wizards enable fast development and optimization of protocols

Programmable to facilitate RT-PCR and CLIP master mix preparation of the Siemens Trugene HIV-1 Genotyping procedure.