

TECHNICAL SPECIFICATIONS

Kilobaser one

Product information

	Kilobaser one
Description	DNA Synthesizer
Oligo Length	Up to 50nt (recommended)
DNA	Yes
DNA Probe	No
Modified DNA	No
Modified RNA	No
Total Yield	> 300 pmol
Stepwise Yield	99.5%
Column Type	Microcolumn (on chip)
Column Capacity	One
Required	Nitrogen or argon gas supply
Cycle Time	2.5 min/nt
Hands-on Time	1.5 minutes to start; 1 minute for finish
Oligo Purification	Not required
Oligo Product Condition	Dried

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Synthesis	Fully automated
Post-Synthesis Deprotection	Fully automated
Synthesis Type	Solid-phase phosphoramidite
Synthesis Capacity	One oligo/run
Touch Screen	Included
Supplies	Kilobaser cartridge + chips only
Offline Operable	Yes
Online Operable	Yes, not required
System Update	Free; offline or online; guaranteed for 1 year
Instrument Size	27x33x33cm
Weight	21kg
Smart Help	Yes
Installation Online	Yes
Installation On-Site	Additionally bookable

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Basic Support*	Yes
Extended Support*	No
Scientific Support*	No

***Basic Support:**

As soon as the Kilobaser arrives at your site, we assist you through connection and installation in the course of an online set-up call. We are happy to support you in your initial DNA synthesis to prepare the Kilobaser for your custom oligo syntheses.

***Extended Support:**

We provide a detailed introduction to all the possible modifications and explain how to create your desired modified oligonucleotides using the Kilobaser cartridge-and-chip system. This includes a step-by-step introduction to our OliPure purification kit and manual cleaning in case the cartridge type is changed.

***Scientific Support:**

We are happy to help you evaluate your syntheses and experiments with oligonucleotides synthesized with the Kilobase and troubleshoot together, discussing further steps. We also offer to analyze your synthesized oligonucleotides in our laboratory to assure their quality.