

TECHNICAL SPECIFICATIONS

Kilobaser one

Product information and comparison

	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:**

After the Kilobaser has arrived at your site, we will help you with the connection and installation in the course of an online set-up call. We are happy to support you until the start of the initial DNA synthesis. This is necessary to prepare the Kilobaser for your custom oligo syntheses. If you have any questions, please do not hesitate to contact us.

***Extended Support:**

We will give you a detailed introduction to the Kilobaser cartridge and chip system and explain exactly how to set them up on your Kilobaser. We will also show you in detail how to perform the manual cleaning step when changing cartridge types. Since many modifications require an additional purification step, we will train you and your colleagues step by step how to use our OliPure oligonucleotide purification kit to ensure the best oligo quality. If you have any questions, please do not hesitate to contact us.

***Scientific Support:**

We will be happy to help you evaluate your first synthesis and experiment with Kilobaser synthesized oligonucleotides. If necessary, we will discuss further steps for troubleshooting together. If desired, we can also perform some tests in our laboratory to rule out possible application errors.