OligoMaker 384

Up to 384 primers in one run

Instrument

04.11.2024

Subject	Description
Capacity	1 x 384-well plate - up to 384 primers in one run - all up to 225-mer
Scale of synthesis	5, 10, 25 and 50 nmol scale
Support material	Universal support
Standard Phosphoramidite positions	4 x 0,5L or 1L bottles
Standard 2 activator positions	Activating in parallel – 2,5L or 4L
Standard 2 wash positions	Washing in parallel – 2,5L or 4L
Standard 2 deblocking position	Deblocking in parallel – 2,5L or 4L
Standard 2 Ox position	Oxidizer – 2,5L or 4L
Standard Cap A and Cap B Position	Simultaneously capping with Cap A and Cap B – 2 x 2,5L or 2 x 4L
Option DEA position	Deprotection – 450-ml
8 Free positions	Custom specified
Vacuum pump KNF type N840	Included
Automatic Wash and Purge System	Automatically wash and purge all valves and nuzzles after synthesis
Trityl monitoring	Trityl observation is possible after each cycle, coupling yield 99,0-99,5%
Pressure on reagents	Each bottle can be pressurized and depressurized individually
Only one gas connection	One gas for making pressure in the bottles and purging during synthesis
Instrument - and Cleaning	40 x 22 x 24 inch (L x W x H)
Cleaning	Design with large flat surfaces, easy to keep clean
Shipment	In a wooden box 1200 x 800 x 750 mm (L x W x H)) – EU standard pallet
Maintenance	Replacing valves and tubing within a few minutes
Spare parts	Spare parts are in stock
Power	115V or 220V
Safety	Accidentally overflowing is directed to waste container Safety guard rails are placed inside the synthesizer
QC	All instruments go through a strict quality control process in our laboratory
Certification	CE marking
Service	ON-call service

Software

Subject	Description
Touch screen	10" touch screen
Operation	Instrument is operating as stand-alone
Program	User-friendly and flexible
IUPAC codes	Mixed bases are available
Chemical consumption	Adjustable
Coupling time	Adjustable

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