

OligoMaker - OM-X48



Up to 48 primers in one run

Instrument

02.01.2025

Subject

Capacity
Scale of synthesis
Support material
Standard equipment for amidites
Up to 8 Extra amidite positions
Standard 2 activator positions
Standard 1 wash position
Standard 1 deblocking positions
Standard 1 Ox position
Standard Cap A and Cap B Positions
Vacuum pump KNF type N840
Injection
Trityl monitoring
Automatic Wash and Purge System
Pressure on reagents
Only one gas connection
Instrument
Cleaning
Maintenance
Shipment
Spare parts
Power
Safety

QC

Certification
Service

Description

From 1 to 48 primers in parallel in one run – all +150-mer
10, 50nmol, 0,2, 1 and 3 μ mol scale
CPG or Universal support in standard columns
4 x 120-ml bottles + 2 x 10-ml
10-ml bottles
Activating in parallel – 1L
Washing – 1L
Deblocking –1L
Oxidizer - 1L
Simultaneously capping with Cap A and Cap B - 2 x 1L
Included
Direct injection from the valves
Trityl observation is possible after each cycle, coupling yield 99,0-99,5%
Automatically wash and purge all valves and nuzzles after synthesis
Each bottle can be pressurized and depressurized individually
One gas for making pressure in the bottles and purging during synthesis
31,5 x 15,8 x 15,8 US inch (W x D x H)
Design with large flat surfaces, easy to keep clean
Replacing valves and tubing within a few minutes
In a wooden box 47,2 x 31,5 x 23,6 inch (L x W x H)) – EU standard pallet
Spare parts are in stock
115V or 220V
Accidentally overflowing is directed to waste container
Safety guard rails are placed inside the synthesizer
All instruments go through a strict quality control process in our laboratory
CE marking
ON-call service

Software

Subject

Touch screen
Wi-Fi
Program
IUPAC codes
Chemical consumption
Coupling time

Description

10" touch screen
Instrument can be operated as stand-alone
User-friendly and flexible
Mixed bases are available (wobbles)
Automatically calculation of the single reagent consumption
Adjustable