

NEW SUBHT High Throughput Submarine Gel Electrophoresis Unit

Ideal for high throughput screening applications like single strand polymorphism (SSP) analysis following PCR

This high throughput horizontal gel unit can accommodate up to 120 samples and resolve DNA strands from 50-1000 base pairs in 30 minutes.



Technical Specifications

Gel Dimensions (w x l)	15 x 15 cm
Maximum Buffer Volume	1.2 L
Maximum Power Settings	300 V, 200 mA, 60 W
Maximum Sample Capacity	120
Maximum Running Temperature	45°C
Indoor Use	4-40°C
Humidity	Up to 80%
Unit Dimensions (w x l x h)	21.5 x 33.5 x 7cm
Safety Certifications	EN61010-1, CE

Features and Benefits

Fast, Error-Free Loading—Load an entire 96-well plate using a multi-channel pipette

Simplified Analysis—Fluorescent labels for each sample printed on a UV transparent gel tray allows for instant sample identification (matched to a 96-well plate) during post-run visualization

High Throughput—Run up to 120 samples (96-well plate + 24 control and/or marker samples) in 30 minutes

Better Reproducibility—Eliminate variability caused by running buffer pH drift and ionic gradient formation with optional buffer recirculation capability

Reduced Buffer Needs—Compact tank design needs less buffer to cover gel which not only reduces buffer consumption but provides greater control of voltage gradients and run times

Maximum Flexibility—Fully compatible with a wide range of combs and accessories to meet all your high throughput and standard gel analysis needs

Ordering Information

Cat. #	Description
SUBHT	High Throughput Submarine Gel Unit

Includes:

- Buffer Chamber Assembly
- Safety Lid
- High Voltage Leads
- Fluorescent Labeled Running Tray w/Casting Gates
- 1 mm thick, 30 well combs—4 pcs
- Colored Loading Strips
- Buffer Recirculation Ports—2 pcs

SUBHT High Throughput Submarine Accessories and Replacement Parts

SUBHT Compatible Combs

Cat. #	# of Wells	Thickness (mm)	Well Width (mm)	Volume in 5 mm Deep Well (µl)
SUB15-C1-10	10	1	12.8	64
SUB15-C1.5-10	10	1.5	12.8	96
SUB15-C2-10	10	2	12.8	128
SUB15-C1-16MC	16*	1	6.4	32
SUB15-C1.5-16MC	16*	1.5	6.4	48
SUB15-C2-16MC	16*	2	6.4	64
SUB15-C1-20	20	1	5.9	29
SUB15-C1.5-20	20	1.5	5.9	43
SUB15-C2-20	20	2	5.9	58
SUB15-C1-25	25	1	3.5	17
SUB15-C1.5-25	25	1.5	3.5	25
SUB15-C2-25	25	2	3.5	34
SUB15-C1-30MC	30*	1	2.5	12
SUB15-C1.5-30MC	30*	1.5	2.5	18
SUB15-C2-30MC	30*	2	2.5	24

*Microtiter spacing for use with a multichannel pipette

Accessories and Replacement Parts

Cat. #	Description
SUBHT-TANK	Buffer Chamber Assembly
SUBHT-LID	Lid for SUBHT
SUBHT-LUT	15 x 15 cm Fluorescent Labeled Running Tray w/Casting Gates
SUBHT-UT	15 x 15 cm Running Tray w/Casting Gates
SUBHT-CG	Casting Gates w/Silicone Gasket-2 pcs
SUBHT-CS	Colored Loading Strips-6 pcs
SUBHT-GS	Gel Scoop for SUBHT
SUB-LEAD	Replacement High Voltage Leads
SUB-SG	Silicone Gasket, 1 meter
SUB-BRP	Buffer Recirculation Ports-2 pcs
SUB-FC	External Adjustable Casting Unit
PP24	Mini-Peristaltic Pump, see page 142

SUBHT Casting Gates

The included casting gates conveniently and efficiently seal the running tray without the hassles of using tape.



Optional External, Adjustable Casting Unit

The flexibility of the SUB-FC offers a convenient external casting system capable of accommodating the complete range of Hoefer 6-15 cm wide running trays.



SUBHT-LID



SUBHT-UT



SUBHT-TANK