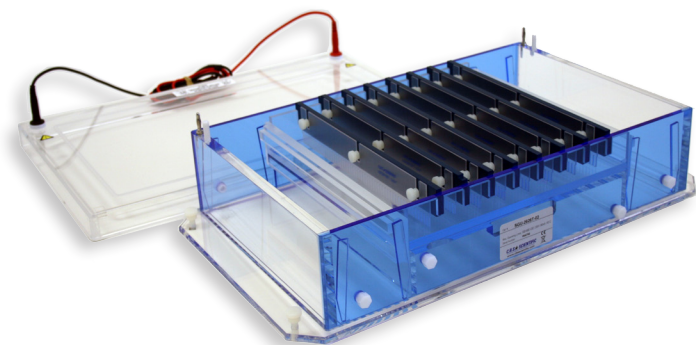


Run up to 800 samples simultaneously with these versatile units

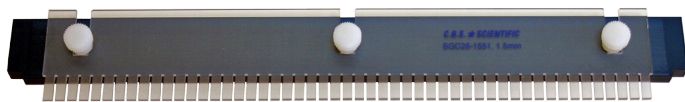


High-Throughput Submarine with gel bed dimensions 26cmx26cm, SGU-2626T-02.

Three different sized High-Throughput Submarine Systems are designed for the rapid screening of samples from microtitre plates. Analyze high numbers of cloning products, restriction fragments, synthetic oligos or PCR products simultaneously.

## FEATURES

- Three sizes of High-Throughput Systems are offered with the following gel bed sizes:
  - 26cm (w) x 14cm(l)
  - 26cm (w) x 26cm(l)
  - 26cm (w) x 40cm(l)
- Gel tray configuration allows single run or multiple simultaneous short runs. (See gel tray profiles on reverse side).
- All combs are adjustable height and have an aluminum backing to keep the combs perfectly straight during gel casting with hot agarose.



- All combs come with microtitre format to allow multi-channel pipetting for accuracy and speed. Comb profiles are diagrammed on reverse side to show the many configurations, with or without markers. PTFE-coated combs allow faster well formation and are recommended when using low percentage or low melt agarose.
- Buffer recirculation ports allow maintenance of uniform pH and ionic strength and reduce frequency of buffer changes necessary during long runs.
- Tight-fitting safety cover reduces condensation during electrophoresis.
- Coolant can be recirculated beneath gel bed to provide constant temperature runs.

## HIGH-THROUGHPUT SYSTEM

SGU-2614T-02, SGU-2626T-02, SGU-2640T-02

Complete System:

- Electrophoresis unit with cooling chamber
- Platinum electrodes
- UV transparent gel tray
- Tapered baffles for gel formation
- 4 adjustable height combs with aluminum backing
- Buffer recirculation ports
- Leveling base with bubble level
- Safety cover with attached leads

## APPLICATIONS

- \* Rapid screening of cloning products
- \* Rapid screening of restriction fragments
- \* Rapid screening of synthetic oligos
- \* Rapid screening of PCR products

### COMB OPTIONS for SGU-026T-02 - 26cm wide

All combs are multi-channel pipettor compatible

overall length = 24.7cm, adjustable height polycarbonate

NOTE: To specify PTFE-coated aluminum combs add a "TF" to end of cat. #.

Cat. #	spacing between teeth (mm)	tooth depth (mm)	# of teeth	thickness of teeth (mm)	width of teeth (mm)	maximum volume/well (µl)*
SGC26-0725	2	10	25	0.75	7.1	40
SGC26-0726	2	12	26	0.75	7	47
SGC26-0751	1	10	51	0.75	3.5	19
SGC26-07102	1	10	102	0.75	1.45	8
SGC26-1025	2	10	25	1.0	7.1	53
SGC26-1026	2	12	26	1.0	7	63
SGC26-1051	1	10	51	1.0	3.5	26
SGC26-10102	1	10	102	1.0	1.45	11
SGC26-1525	2	10	25	1.5	7.1	80
SGC26-1526	2	12	26	1.5	7	95
SGC26-1551	1	10	51	1.5	3.5	39
SGC26-15102	1	10	102	1.5	1.45	16
SGC26-2025	2	10	25	2.0	7.1	107
SGC26-2026	2	12	26	2.0	7	126
SGC26-2051	1	10	51	2.0	3.5	53
SGC26-20102	1	10	102	2.0	1.45	22
SGC26-3025	2	10	25	3.0	7.1	160
SGC26-3026	2	12	26	3.0	7	190
SGC26-3051	1	10	51	3.0	3.5	78
SGC26-30102	1	10	102	3.0	1.45	32

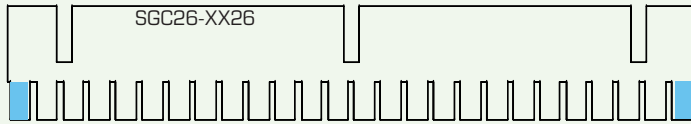
\* the maximum loading volume for horizontal gel combs was calculated by taking 75% of the total tooth volume.

## COMB PROFILES

Possible microtitre compatible configurations for combs are listed below.

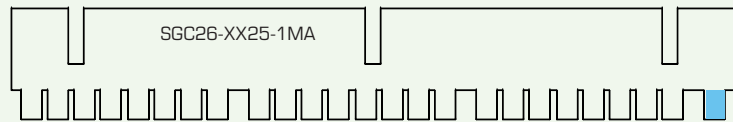
M= marker lane and is shaded in blue

12 & 8 are number of wells loading capability for microtitre compatible spacing

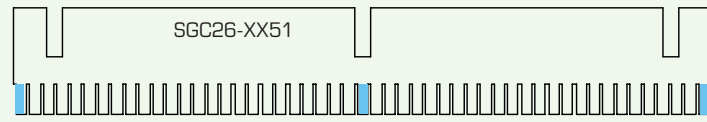


### Loading options

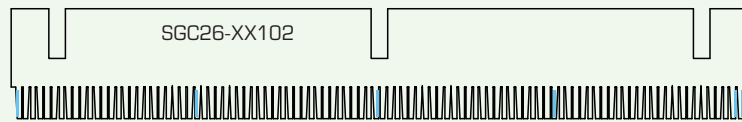
M-12-12-M  
M-8-8-8-M



8-8-8-M



M-8-8-8-M-8-8-8-M  
M-12-12-M-12-12-M



M-8-8-8-M-8-8-8-M-8-8-8-M-8-8-8-M-M  
M-12-12-M-12-12-M-12-12-M-12-12-M-M

## GEL TRAY PROFILES

For use with SGU-2614T-02



5 slots with pathlengths of 2.5cm/slot

Max. capacity  
of 510 samples

For use with SGU-2626T-02



8 slots with pathlengths of 2.5cm/slot

Max. capacity  
of 816 samples

For use with SGU-2640T-02



8 slots with pathlengths of 4.25cm/slot

Max. capacity  
of 816 samples

## HIGH-THROUGHPUT SUBMARINE SYSTEMS

CAT. #	ITEM
SGU-2614T-02	<b>High-Throughput Submarine System, 26cm wide, CE,</b> Gel bed dimensions 26cm(w) x 14cm(l).
SGU-2626T-02	<b>High-Throughput Submarine System, 26cm wide, CE,</b> Gel bed dimensions 26cm(w) x 26cm(l).
SGU-2640T-02	<b>High-Throughput Submarine System, 26cm wide, CE,</b> Gel bed dimensions 26cm(w) x 40cm(l).

### Replacement Parts

SGT-2614	<b>Gel tray for SGU-2614T-02,</b> 26cm(w) x 14cm(l), UV transparent. 5 slots with pathlengths of 2.5cm/slot.
SGT-2626	<b>Gel tray for SGU-2626T-02,</b> 26cm(w) x 26cm(l), UV transparent. 8 slots with pathlengths of 2.5cm/slot.
SGT-2640	<b>Gel tray for SGU-2640T-02,</b> 26cm(w) x 40cm(l), UV transparent. 8 slots with pathlengths of 4.25cm/slot.

### Horizontal Gel Casters

GCT-26-141	<b>Horizontal Gel Caster for SGU-2614T-02,</b> fits 1 SGT-2614 tray.
GCT-26-142	<b>Horizontal Gel Caster for SGU-2614T-02,</b> fits 2 SGT-2614 trays.
GCT-26-261	<b>Horizontal Gel Caster for SGU-2626T-02,</b> fits 1 SGT-2626 tray.
GCT-26-262	<b>Horizontal Gel Caster for SGU-2626T-02,</b> fits 2 SGT-2626 trays.
GCT-26-401	<b>Horizontal Gel Caster for SGU-2640T-02,</b> fits 1 SGT-2640 tray.
GCT-26-402	<b>Horizontal Gel Caster for SGU-2640T-02,</b> fits 2 SGT-2640 trays.