

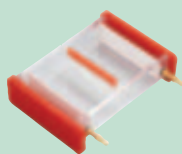
Horizontal Gel Units

Today's laboratory scientists can take advantage of many gel-casting methods, ranging from the traditional, homemade solution of sealing the ends of the gel tray with tape to flexible gel casting, at any position within the tray, with Scie-Plas Super-Seals™.

SCIE-PLAS CASTING OPTIONS

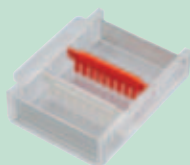
Plastic casting gates

- Available with the HB-SET and H1-SET units only
- Slot into preformed grooves within the gel tank



Aluminium casting gates

- Available with the SVG-SYS, TVG-SYS and VG-SYS units only
- Slot into preformed grooves within the gel-casting tray



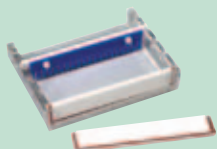
Silicone gasket

- Available with the HU6, HU10 and HU13 units only
- Slot into preformed grooves at each end of the gel-casting tray, which is then turned at 90° to the direction of electrophoresis to form a leak-free seal against the walls of the gel tank



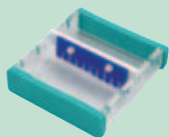
Casting gates with integral silicone seals

- Available with the HU15, HU20, HU25, CHU20 and CHU25 units
- By slotting into preformed grooves, casting gates with integral silicone seals effectively seal the tray, provided the silicone gasket faces outwards as shown



Silicone casting gates

- Available for the HU6, HU10 and HU13 units
- Slot into grooves at each end of the casting tray to form a leak-free seal



External casting units

- Available for the HU6, HU10 and HU13 units for simultaneous casting of up to 3 gels
- Silicone gaskets, seated in the groove of each casting tray, form a leak-free seal against the walls of the casting unit



Horizontal Gel Casting Products

Scie-Plas currently provides a variety of gel-casting options with its horizontal units, all of which will ensure reliable casting.



Always line the casting gates with a small amount of agarose, allowing it to set before pouring the remainder of the cooled, hand-hot agarose mixture i.e. at approx. 50°C.



ORDERING INFORMATION

Description

2 x plastic casting gates for the HB-SET
2 x plastic casting gates for the H1-SET

Part No.

HB-CG
H1-CG

N.B. Casting only performed directly in the unit, without casting trays

Description

2 x aluminium casting gates for the SVG-SYS
2 x aluminium casting gates for the TVG-SYS
2 x aluminium casting gates for the VG-SYS

Part No.

SVG-GT-ALCG
TVG-GT-ALCG
VG-GT-ALCG

N.B. For individual gel trays with aluminium casting gates, please see the SVG-SYS, TVG-SYS and VG-SYS product literature.

Description

1 x silicone gasket for the HU6, HU10 & HU13, 1 metre HU-SG

Part No.

N.B. For individual gel trays with silicone gaskets, please see the HU6, HU10 and HU13 product literature.

Description

2 x casting gates with integral silicone seals for HU15
2 x casting gates with integral silicone seals for CHU20 & HU20
2 x casting gates with integral silicone seals for CHU25 & HU25

Part No.

HU15-CG
HU20-CG
HU25-CG

N.B. For individual gel trays with casting gates with integral silicone seals, please see the respective product literature for each unit

Description

2 x silicone casting gates for HU6
2 x silicone casting gates for HU10
2 x silicone casting gates for HU13

Part No.

HU6-SCG
HU10-SCG
HU13-SCG

Description

1 x external casting unit for 3 gel trays, HU6
1 x external casting unit for 3 gel trays, HU10
1 x external casting unit for 3 gel trays, HU13

Part No.

HU6-CU
HU10-CU
HU13-CU



Scie-Plas Super-Seals™

Throw away all those gel gates and casting units and use our specifically designed and formulated silicone seals, which can be placed anywhere within the casting tray.

Scie-Plas Super-Seals™ offer the ultimate solution in flexible, leak-free gel casting.

BENEFITS INCLUDE

- **Cost-effective and completely versatile** - can be positioned anywhere within the casting tray, allowing the user to generate shorter gel lengths without the need for smaller casting trays
- **Reliable, leak-free casting** - is a certainty, provided the seals are first inserted correctly within the tray and then lined with agarose before pouring the remainder of the cooled gel mixture
- **Still effective - even with boiling agarose** - as long as the seals are inserted properly and lined with agarose
- **Available - for all Scie-Plas horizontal gel-casting trays**

ORDERING INFORMATION

Description	Approximate Dimensions (L x W x H)	Part No.
Green Range		
2 x 6cm long Super-Seals for the HU6	6 x 1 x 1cm	HU6-SS
2 x 10cm long Super-Seals for the HU10	10 x 1.1 x 1cm	HU10-SS
2 x 13cm long Super-Seals for the HU13	13 x 1.1 x 1.4cm	HU13-SS
2 x 15cm long Super-Seals for the HU15	15 x 1.1 x 1.4cm	HU15-SS
2 x 20cm long Super-Seals for the CHU20 & HU20	20 x 2 x 1.2cm	HU20-SS
2 x 25cm long Super-Seals for the CHU25 & HU25	25 x 2 x 1.2cm	HU25-SS
Vari-gel Range		
2 x 7cm long Super-Seals for the SVG-SYS	7 x 1 x 1cm	SVG-SS
2 x 10cm long Super-Seals for the TVG-SYS	10 x 1.1 x 1cm	TVG-SS
2 x 15cm long Super-Seals for the VG-SYS	15 x 1.1 x 1.4cm	VG-SS

How to cast with Scie-Plas Super-Seals™

1. Place each Scie-Plas Super-Seal™ at the desired position within the gel tray, applying an even pressure along its length



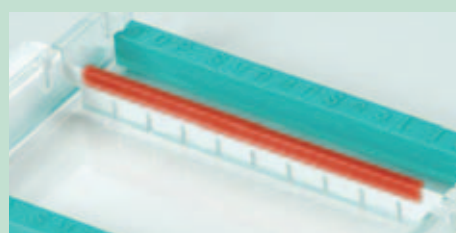
2. Line each Scie-Plas Super-Seal™ with a few millilitres of melted agarose, allowing it to cool and then set to form a leak-proof seal



3. Pour the remainder of the agarose mixture - preferably cooled to hand-heat (i.e. at 50°C) for completely reproducible results - into the gel tray



4. Insert combs and allow the gel to set for at least 30 minutes before removing the comb and loading the samples



Tip: Scie-Plas recommends 0.67ml of agarose per cm² of gel tray area for a minimum 5mm thick gel - e.g. 150ml of melted agarose for a 15 x 15cm gel tray, as shown (Volume ml = W x L x 0.67).

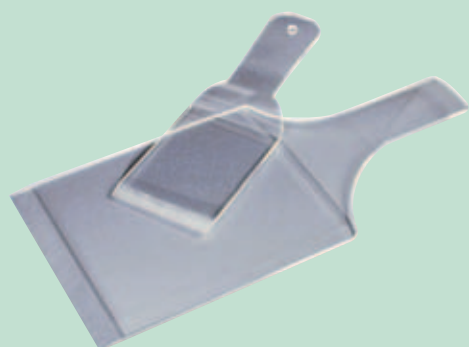
Horizontal Gel Units

BENEFITS INCLUDE

- **Large platform** - 30 x 20cm platform area accommodates all Scie-Plas gel-casting trays from the HU6 to HU25 units
- **Easy to use** - large, thumb-wheel leveling feet at each corner facilitate easy adjustment of the platform
- **Leveling bubble** - in the centre of the platform ensures even gel-pouring

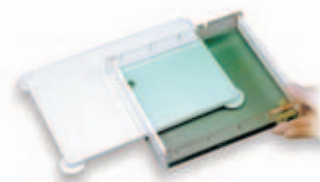
BENEFITS INCLUDE

- **In 3 different colours** - for easy visualisation of samples mixed with different dyes such as bromophenol and xylene cyanol
- **Adhesive** - each colour strip has an adhesive backing allowing it to be easily affixed and removed with each application
- **Available** - for all horizontal units



Gel Leveling Table

Allows advance pouring of gels of uniform thickness.



ORDERING INFORMATION

Description

1 x gel leveling table, 30 x 20cm

Part No.

GLT-3020

Coloured Strips

Aid sample visualisation during gel loading.

ORDERING INFORMATION

Description

Part No.

Green Range

12 x coloured loading strips for HU6	HU6-CS
12 x coloured loading strips for HU13	HU13-CS
12 x coloured loading strips for HU15	HU15-CS
12 x coloured loading strips for HU20 and CHU20	HU20-CS
36 x coloured loading strips for HU25 and CHU25	HU25-CS

Vari-gel Range

6 x coloured loading strips for SVG-SYS	SVG-CS
10 x coloured loading strips for TVG-SYS	TVG-CS
12 x coloured loading strips for VG-SYS	VG-CS

Gel Scoops

Ideal for safe and easy transfer of gels from staining or destaining tanks to a transilluminator or similar surface.

ORDERING INFORMATION

Description

Scoop Area Part No. (W x L)

Green Range

1 x gel scoop for HU6	6 x 8.5cm	HU6-GS
1 x gel scoop for HU10	10 x 14.5cm	HU10-GS
1 x gel scoop for HU13	13 x 15cm	HU13-GS
1 x gel scoop for HU15	15 x 15cm	HU15-GS
1 x gel scoop for HU20 and CHU20	20 x 25cm	HU20-GS
1 x gel scoop for HU25 and CHU25	25 x 32.5cm	HU25-GS

Vari-gel Range

1 x gel scoop for SVG-SYS	7 x 10cm	SVG-GS
1 x gel scoop for TVG-SYS	10 x 15cm	TVG-GS
1 x gel scoop for VG-SYS	15 x 20cm	VG-GS