



# Comet Assay Tanks

Range of innovative systems designed specifically for rapid high throughput single cell gel electrophoresis

The Comet Assay or Single Cell Gel Electrophoresis (SCGE) was first introduced to quantify double stranded DNA breakages in single cells exposed to irradiation. It has been since been adapted to analyse specific DNA lesions and repair processes to analyse the potential for DNA damage of new drugs and environmental conditions.

- For high throughput Single Cell Gel Electrophoresis (SCGE)
- Unique patent pending design employs two carriers, each capable of accommodating 25 slides in a vertical laminar orientation
- Slide carriers facilitate batch processing of multiple slides simultaneously, eliminating the need for manual handling of individual slides
- Ebony acrylic construction of tank and staining dishes minimises exposure to light and reduce background DNA damage
- Enhanced cooling is provided by a ceramic cooling base with a sliding drawer designed to accommodate pre-frozen cool packs in order to maintain optimal buffer temperature
- Typical applications:
  - Quantifying DNA damage and repair in drug development



## Technical information

<b>Unit dimensions [l x w x h], mm</b>	150 x 265 x 150
<b>Total slide capacity</b>	50 slides, 25mm x 75mm
<b>Slide capacity per rack</b>	25
<b>Volume, mL</b>	550
<b>Recommended running conditions</b>	27V/450mA for 20 mins
<b>Recommended power supply</b>	300V, 700mA, 150W (Cat. No 12613546)

### Cat. No

### Description

15381347

High throughput Comet system for 50 slides includes two 25 slide carriers, four staining dishes, tank with ceramic cooling platform and cool pack, lid and power cables

15301357

High throughput Comet system for 50 slides includes two 25 slide carriers, four staining dishes, tank with ceramic cooling platform and cool pack, lid and power cables plus power supply



## Accessories



Cat. No	Description	Pack qty
15579901	Vertical slide carrier for 25 slides	1
15589901	Ebony acrylic stain dish	1
15599901	Ebony acrylic stain dish	4
15569901	Positive electrode	1
15559901	Negative electrode	1
15146634	Electrophoresis cables (black and red)	2



# Essential accessories

Focus on Fisherbrand for your complete electrophoresis needs

## Agarose

Grade	Molecular Biology	Genetic Analysis
Type	Low Melting (>200bp)	Low Melting (<1kb)
Cat. No	<b>10377033</b> (25g)	<b>10583355</b> (100g)
Recovery of DNA or RNA	•	•
DNA/RNA separation 50bp to 1kb		•
DNA/RNA separation >1kb	•	
PCR fragment analysis	•	•
In-gel reactions (ligation, transformations, PCR)		•



## Microscope slides

- Wrapped in cellophane for improved cleanliness
- Glass 76mm x 26mm
- Washed and polished 90° on all four sides
- Available plain or twin frosted

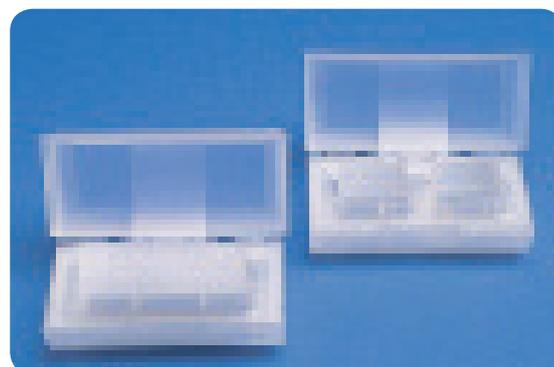
Cat. No	Thickness, mm	Pack qty
<b>Plain</b>		
<b>12373118</b>	0.8 to 1	50
<b>12383118</b>	1.0 to 1.2	50
<b>12393118</b>	1.2 to 1.5	50
<b>Twin frost</b>		
<b>11562203</b>	0.8 to 1	50
<b>11572203</b>	1.0 to 1.2	50



## Coverslips

- Clear white borosilicate glass, packed in plastic boxes
- No. 1: 0.13mm to 0.17mm thick
- No. 1½: 0.16mm to 0.19mm thick

Cat. No	Dimensions, mm (*Diameter)	Pack qty
<b>No. 1</b>		
<b>12323128</b>	18 x 18	200
<b>12333128</b>	22 x 22	200
<b>12343128</b>	22 x 26	200
<b>12353128</b>	22 x 32	100
<b>12363128</b>	22 x 40	100
<b>12373128</b>	22 x 50	100
<b>11338503</b>	24 x 24	200
<b>12393128</b>	24 x 32	100
<b>11348503</b>	24 x 40	100
<b>No. 1 Circles</b>		
<b>12313138</b>	16*	200
<b>12323138</b>	19*	200
<b>12333138</b>	22*	200
<b>No. 1½</b>		
<b>12343138</b>	18 x 18	200
<b>12353138</b>	20 x 20	200
<b>12363138</b>	22 x 22	200
<b>12383138</b>	22 x 50	100
<b>12393138</b>	24 x 24	200
<b>No. 1½ Circles</b>		
<b>12323148</b>	16*	100
<b>11507323</b>	22*	100





## Midi 300V/4 Power Supply

With nearly twice the current and power of an alternative market leading product available elsewhere, at 700mA and 150W, the Midi 300V/4 offers a specification that compares very favourably to any similar power supply presently available on the market. The Midi 300V/4 is suitable for use with all Fisherbrand horizontal SUB-GEL systems and Verti-Gel units, including the Comet system. Microprocessor controlled, with four sets of power terminals that allow simultaneous operation of up to four electrophoresis units either at constant voltage or constant current. The timer function may be set to run continuously or up to a maximum 999 minutes with an alarm that sounds to signify termination of the run. A user friendly keypad houses a clear 3-digit LED to aid set up, as well as a convenient 'pause/resume' key, particularly useful during extended runs when it is necessary to access the gel tank to monitor buffer levels and sample migration.

- Stackable design
- In-built safety systems
- Automatic crossover between parameters
- Individual indication of control parameter
- Dual voltage compatibility

### Output Specifications

Voltage, V .....	2 to 300
Current, mA .....	1 to 700
Power [max.], W .....	150

Cat. No	Description	Dimensions, mm
12613546	Midi 300V/4 Power Supply, 300V, 700mA, 150W, 100-240V a.c., four output	190 x 305 x 95



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[www.eu.fishersci.com/go/fisherbrand](http://www.eu.fishersci.com/go/fisherbrand)**

