

## Ultra-Precise Single Cell Gel Electrophoresis



TRUST IN YOUR RESULTS

RELY ON PRECISION

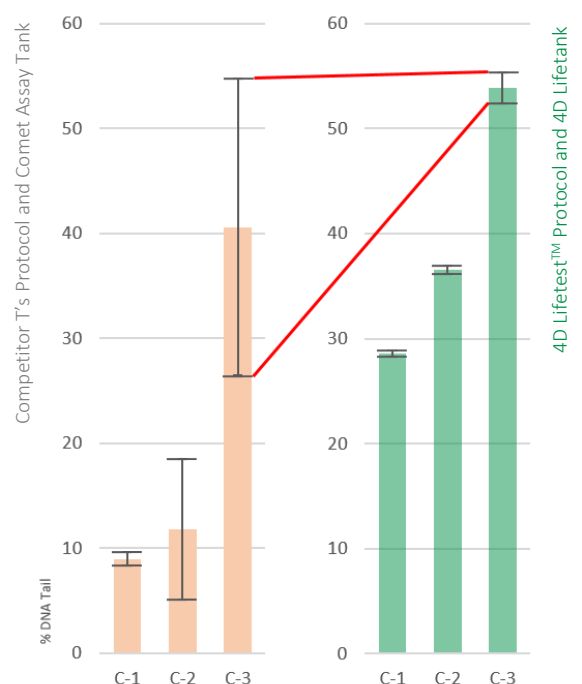
PROFIT FROM EFFICIENCY

### 4D Lifetest™

- **GLP compliant** automated SCGE system for ultra-precise data.
- **Simplified SCGE set-up** saves  $\frac{2}{3}$  of operational procedure time and reduces complexity.
- Different sized spot plates offer highest possible **flexibility** regarding sample preparation with a maximum capacity of 576 spots per run.

Competitor T  
Comet Assay

4D Lifetest™



C-1 to C-3 are commercially available reference cells with different DNA damage

## 4D Lifetank & Kits



### 4D Lifetank – Product # 4DL-0101X (Patent pending)

- GLP compliant
- User-friendly touchscreen interface
- Flexible loading options for different sized 4D Lifeplates (patent pending)
- Fully controlled physical test parameters such as e.g. temperature, voltage and time
- Homogeneous electric field
- Digital run documentation (.pdf)
- USB port for file export
- Different control mechanisms offering a safe and efficient usage
- Automatic tank emptying into re-usable waste container
- Capacity for up to 6 times 96 well 4D Lifeplates per run (576 spots per run)
- Includes 4D Lifegrid, a reusable aluminium based pipetting template for different scaled 4D Lifeplates



4D Lifetest™  
Kits

### Genotox Alkaline 1 x 96 Kit – Product No 4DL-05196

- Includes standardised protocol, low melting agarose, electrophoresis stock solution, lysis solution, neutralisation buffer and one 96 well 4D Lifeplate (patent pending)
- 4D Lifeplate offers variable spot size and spot geometries

### Genotox Alkaline 3 x 12 Kit – Product # 4DL-05312

- Includes standardised protocol, low melting agarose, electrophoresis stock solution, lysis solution, neutralisation buffer and three 12 well 4D Lifeplates (patent pending)
- 4D Lifeplate offers variable spot size and spot geometries

### Integral Liquid Biopsy Kit – Product under development

## Reagents



4D Lifetest™  
Reagents

### Lysis Solution (1 liter) - Product # 4DL-07031-1l

- Supplement lysis solution

### Neutralisation Buffer (1 liter) - Product # 4DL-07041-1l

- Supplement neutralisation buffer

### Electrophoresis Stock Solution (200ml) - Product # 4DL-07020

- Supplement electrophoresis stock solution

Challenge  
4D Lifetest™  
and compare  
your results!

## Service Packages



4D Lifetest™  
Service Packages

### Challenge Pack – Product # 4DL-00010

Send your cells to 4D Lifetec and we will perform a 4D Lifetest™ for you. Proprietary reference cells will ensure that run conditions are standardized and comparable. Analysed data and log files will be transmitted for your verification. Challenge Pack price will be credited to the 4D Lifetank.

### Customisation Pack – Product # 4DL-00020

Following the 4D Lifetest™ Challenge Pack: Due to the fact that some cell types might behave differently, 4D Lifetec offers a customisation pack, in case of non-compliance of the specific cells with the 4D Lifetest™ standard protocol. This service covers the whole range from a consultation call up to the generation of a customised and standardised process for this dedicated cell type.

### Service Pack – Product # 4DL-00030

Service contract including revision after every 3rd year (including shipment costs) and right of temporary replacement device in case of breakdown; annual fee, 1-year term with automatic renewal.