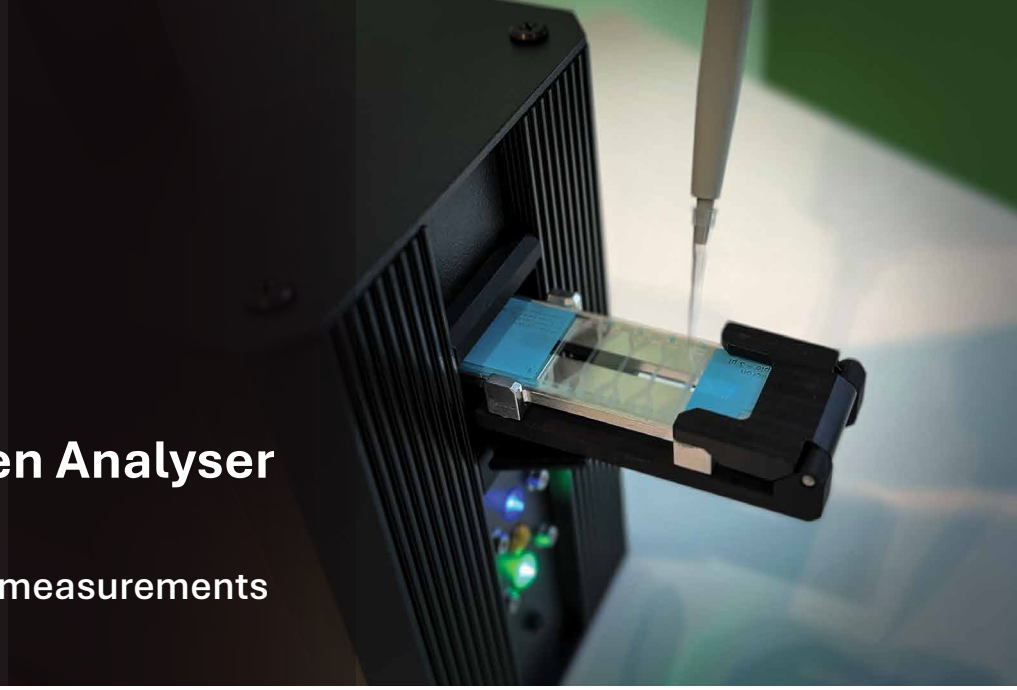
DYNESCAN



Dynescan 4P Semen Analyser

A high-throughput system for automated stress-test measurements

Automated, precise and easy to use.

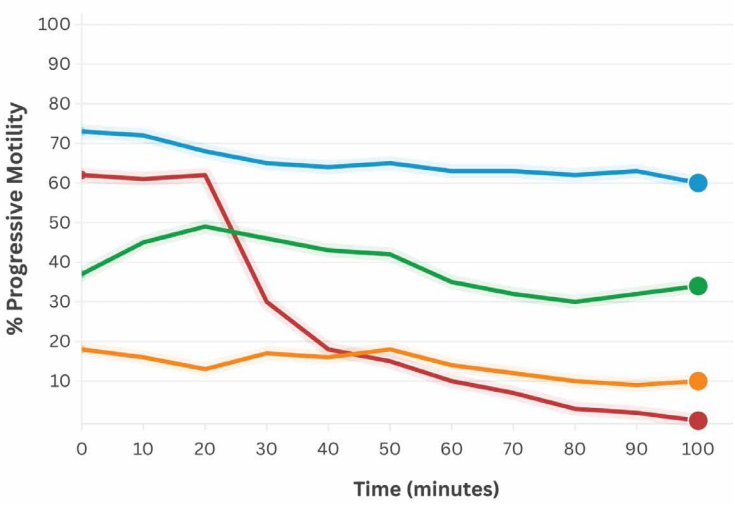


Figure 1: %motility as a function of time for 4 samples measured in parallel with Dynescan 4P.

Dynescan 4P is an **automated semen analyser** that delivers **precise and reproducible results.** Powered by Dyneval's proprietary technology, it measures four samples simultaneously **without the need for dilution or manual focusing**, guaranteeing consistency regardless of operator experience.

The unique **Sustained Motility Lifetime** (**SML™**) feature monitors how long cells remain progressively motile. The comprehensive dataset available with Dynescan 4P allows you to optimise process parameters to obtain a **consistent product every time**. Now you can **monitor quality at every stage** from the stud to the field with the Dynescan product range.

MK237_Dynescan 4P_Datasheet_V1

- Four-sample **parallel measurement**
- **Automatic focus**
- **QualiVET-compliant** settings
- **No pre-dilution** required for straws
- **Adjustable temperature** for accelerated stress-test

Semen processing centres | **Veterinary clinics** | **Bovine IVF laboratories** | **Research laboratories**

DYNEVAL®
DYNAMIC EVALUATION

www.dyneval.com/dynescan4P

SCAN ME

Dynescan 4P Semen Analyser

Precise measurements to accelerate R&D and monitor quality

Specification

Parameters	• Total Motile Cell (TMC) and Progressive Motile Cell (PMC) count • Sustained Motility Lifetime (SML) - the time taken for % motility to halve • Progressive motility (%) and progressive velocity (µm/s)
Channels	4 channels. All or any combinations of channels can be selected for automated measurements.
Sample volume	3 µL per channel (20 µm height slide)
Measurement time	< 1 minute per data point When monitoring 4 channels expect approximately 6 min to return to each channel. No upper limit.
Temperature control Semen Analysis	Selectable from 30 °C to 50 °C Accuracy ± +0.1 °C; reaches set temperature within ~5min from 20°C.
Software	Dynescan desktop app (Windows) and Dyneval webapp proprietary software (any web browser accessible from laptop/tablets/smart phone).
Data	Securely stored in the cloud, available for data integration allowing for automated process control upon request.
Power requirements	100–240 V AC, 50/60 Hz
Weight	5.108 kg
Dimensions	30 x 12.8 x 23.1 cm
Case dimensions	40.5 x 30.5 x 46 cm

Need it customised?

Dyneval's core technology can be adapted into other systems e.g. for in-line measurement.

Get in touch to find out more.

07594 649214 or contact@dyneval.com

www.dyneval.com/dynescan4P