

QUART dido DNA

Display system of post-irradiation dose.



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The QUART dido DNA system is a special development oriented to a specific task; it serves to show the dose delivered in an x-ray system right after the exposure. It is derived from the established diagnostic QUART measurement solutions for conventional dosimetry.

The QUART dido DNA system is conceived as an external, not invasive accessory for x-ray systems lacking a dose display. With its technical design it fulfills the requirements of the dose display in mammography devices. Currently it is scheduled to be installed in biopsy desks of the company Fischer Imaging, Siemens Mammotest and systems of similar construction. If necessary, the system can be adapted to other devices.

The QUART dido DNA is composed of a very compact sensor, which is placed in the beam produced by the x-ray anode, and a display device, which shows the applied dose. The accuracy is such that the system can also be used for measurements of dose during constancy tests (double function).

For the installation of the DNA only a few parts of the biopsy desk must be removed and replaced again. Furthermore, no intervention of the electronics or mechanics of the device is carried out, as well as no invasion of the x-ray beam exiting the x-ray tube. Installation and calibration are performed by a professional cooperation between authorized technicians or service companies.

The QUART dido DNA has a display background that lights up for optimal reading even in dark environments. After each exposure the display lights up during 30 seconds; after that time it turns off automatically. The display can be re-activated anytime between exposures by pressing the light-button. The last measurement is displayed permanently until next exposure.

After three hours without pressing buttons or exposing the sensor the device turns off completely to save energy. The DNA system works using a rechargeable battery. The battery life is about 120 hours until it must be recharged again. The charge cycle takes only 3-4 hours. If the battery charge gets to a critical amount, the user gets a sign in the display. The system is charged through the USB-connection using a charge cable supplied with the delivery.



FEATURES

Dimensions:	170 x 75 x 20 mm (LxBxH)
Weight:	Base unit - 200 grams (battery included) Detector - negligible
Particularities:	Date and real-time display (clock function)
power supply:	Rechargeable Battery
battery time:	about 120 hours
Charging time:	3 - 4 Hours.
Charger connector:	Micro-B USB
Display:	Backlit LCD, color: white
Operating:	15°C - 35 °C
Storage temperature:	-10°C - 65°C

Calibration: 2-yearly (recommended)
Calibration is performed on site at the facility
by authorized technician or service company

QUART
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