Quantel medical

LACRYDIAG™

COMPLETE ANALYSIS*

OF DRY EYE

*Final Diagnosis performed by the practitioner.

Ocular surface analyser

DEVICE TECHNOLOGIES

Pioneering Possibility.

LACRYDIAG™

Dry eye is a particularly **common** disease that affects the **health and well-being** of millions of people worldwide.

The **LacryDiag ocular surface analyser** aligns with the **dry eye diagnosis methodology recommendations** established in the **DEWS II** report. It allows **a quick detailed analysis of the three tear film layers,** produces **images of the meibomian glands** and **indicates the percentage of loss of the meibomian glands.**

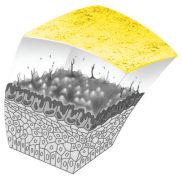
IMAGING THE CAUSE OF DRY EYE MAKES IT EASIER TO **SELECT THE APPROPRIATE TREATMENT.**

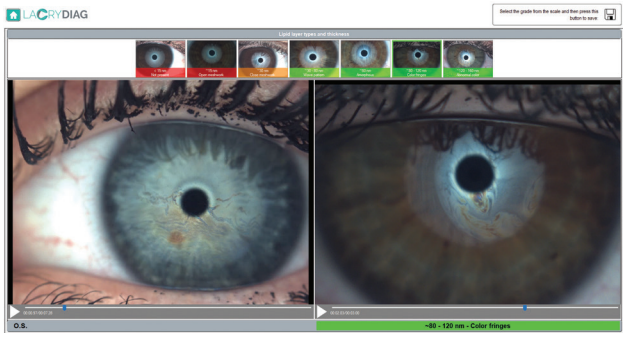
4 NON-CONTACT EXAMS IN 4 MINUTES

1. Interferometry:

Records a video of the patients eye to help with:
- **Qualitative analysis** of the **lipid layer**
- **Quick** determination of lipid layer **quality**
- Evaluation of lipid layer **thickness** based on a grading scale

> LIPID

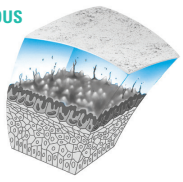




2. Tear meniscus:

Takes a picture to help with:
- Detailed image of the **Aqueous Layer**
- Advanced software feature allowing the practitioner to approximate the Tear Meniscus Height (mm)

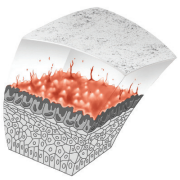
> AQUEOUS

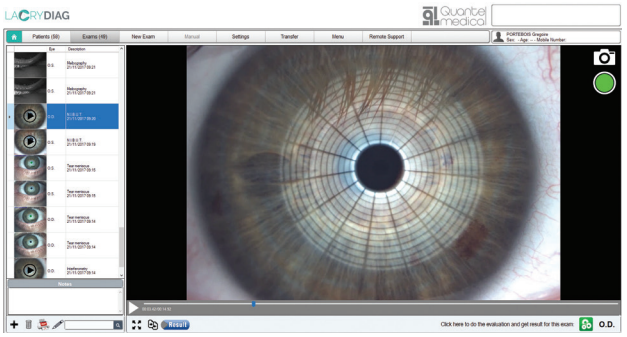


3. N.I.B.U.T. (Non Invasive Break-Up Time):

Records a video of the patients eye to help with:
- **Evaluation of tear film stability** within the **mucin layer**
- **Automatic timing of the Tear Film Break-up** (sec) using the device software

> MUCIN





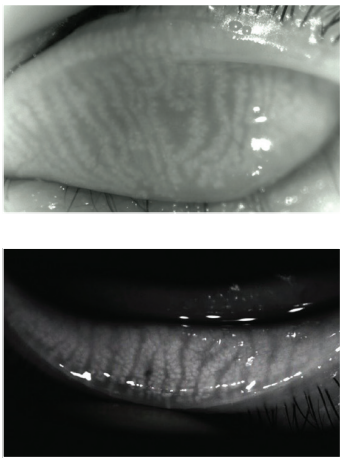
Ocular surface analyser

4. Meibography of upper and lower eyelids:

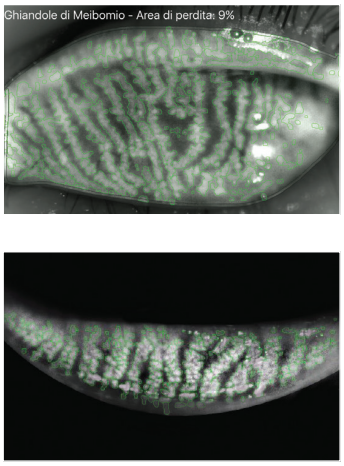
Infrared meibography is the method used to clearly visualise meibomian gland condition and dysfunction. It provides a clear image of the ducts in order to help with:

- **Qualitative analysis** of the meibomian glands in the upper and lower eyelids.
- **Software detection of meibomian glands** and **automatic estimation of the percentage loss** by the device software.

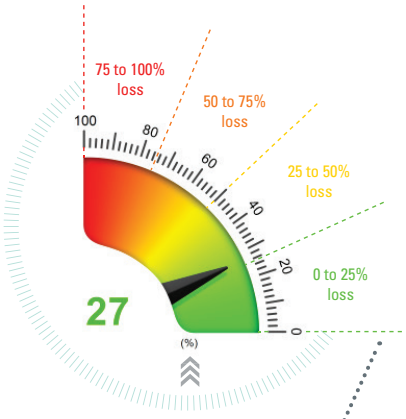
1
PICTURE



2
DETECTION OF LOSS AREA



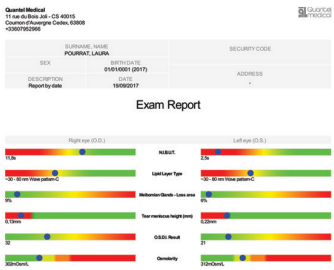
3
GENERAL CLASSIFICATION

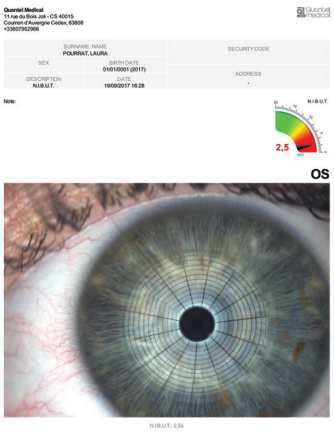


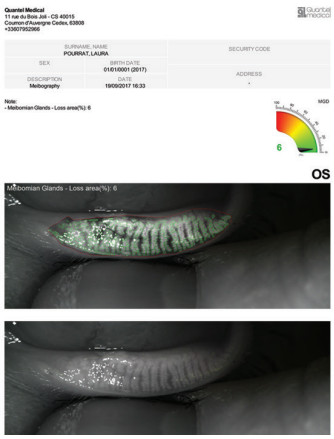
4 levels of the **meibomian glands dysfunction**

TYPICAL EXAM REPORTS FROM VARIOUS ANALYSES

- Easy-to-read exam report thanks to the colour dial
- Report is illustrated with patient images
- Report can be edited out in one click







A COMPACT AND ERGONOMIC SYSTEM

LacryDiag is a compact, ergonomic device that can be adapted for use in all work environments.

Two magnetic cones
easily interchangeable

Yellow filter
for fluorescein exam

Black cone
interferometry and tear meniscus

White cone
includes N.I.B.U.T. grid

Two configurations:

LacryDiag
on **dedicated examination table**

LacryDiag
on **slit lamp**

THE **ADVANTAGES** OF **LACRYDIAG**

Overall analysis of **ocular surface**

4 exams in **4 minutes**

Non-contact exams

Immediate results

Easy to use

Delegable exams

Can be **adapted** to suit **all work environments**

ADDED VALUE FOR YOUR **CLINICAL PRACTICE**:

- Expand your clinical offer to your patients
- Detect the cause of dry eye earlier
- Understand the origin of dry eye to offer a more targeted and effective treatment
- Assess post-treatment results
- Helps to analyse post-surgery results (e.g. LASIK, glaucoma, cataract)

IMPROVE YOUR PATIENT'S **UNDERSTANDING OF DRY EYE**:

- Quick exams
- Educate your patients from understandable images
- Offer patients personalised analysis
- Provide imaging evidence for diagnosis and treatment
- Provides patient care
- Satisfy your patients, customised post treatment analysis

LACRYDIAG™

TECHNICAL SPECIFICATIONS

IMAGE AND VIDEO ACQUISITION

Image resolution	8,000,000 pixels
Image dimensions	2592 x 1944 JPEG
Acquisition mode	Multi-shot photos, video
Focus	Manual and automatic focus
ISO	Variable
Camera/Colors	Colors – Infrared (IR)
Light source	Infrared LED (Meibography, scotopic pupillometry) White LED (Interferometry, N.I.B.U.T., Tear meniscus, photopic/ mesopic pupillometry). Blue LED (B.U.T., fluorescein test)
Filter	Yellow filter for use with fluorescein

GENERAL INFORMATION

Working distance	1.5 cm – 3.5 cm from the eye surface
Ports	USB 2.0 and USB 3.0
Power supply	5 V
Size	167.7 mm (W) x 226 mm (H) x 40 mm (D)
Weight	1.2 kg
Accessories	Pedal, 2 cones, including one with a grid to assess N.I.B.U.T., computer(*), software on USB stick with activation code, protective cover, carry case (*); storage rack (*); printer (*), table (*).

SOFTWARE AND DATA MANAGEMENT

- LacryDiag communicates with a PC using specific software that works with Microsoft® Windows® PRO (7,8,10)
- Generate reports in PDF
- Exams: interferometry, tear meniscus, N.I.B.U.T., meibography
- Additional exams: B.U.T., White-to-white, pupillometry, corneal deformation, bulbar redness
- International evaluation grids included with the software: Efron, CCLRU, Jenvis, interferometry

(*) optional
Specifications are subject to change without notice.

Quantel medical
ISO9001 : 2015 — ISO13485 : 2016

DEVICE TECHNOLOGIES

AUS 1300 DEVICE (338 423)
customers@device.com.au
www.device.com.au

NZ 0508 DEVICE (338 423)
customers@device.co.nz
www.device.co.nz

RA 08072019/CP&HC