ADDED VALUE FOR YOUR CLINICAL PRACTICE:
• Expand your clinical offer to your patients
• Diagnose the cause of dry eye earlier
• Understand the origin of dry eye to offer a more targeted and effective treatment
• Assess post-treatment results
• Optimise post-surgery results (LASIK, glaucoma, cataract)

THE ADVANTAGES OF LACRYDIAG

IMPROVE YOUR PATIENT'S QUALITY OF LIFE:
• Quick, pain-free exams
• Easily educate your patients from understandable images
• Offer patients personalised treatment
• Provide evidence of diagnosis and treatment results
• Improve patient care
• Satisfy your patients, with relief from the very first treatment

Examens déléguables
Résultats immédiats
4 exams in 4 minutes
Analyse globale de la surface oculaire

TECHNICAL SPECIFICATIONS

Headquarters
Quantel Medical
11, rue du Bois Joli - CS40015
63808 Cournon d'Auvergne – FRANCE
Tel: +33 (0)4 73 745 745
Fax: +33 (0)4 73 745 700
Email: contact@quantel-medical.fr

North America
Quantel Medical USA
2313 Ridge Road Suite 105A
Rockwall, TX 75087
Tel: +1 877 782 6835
Fax: +1 406 522 2005
E-mail: info@quantelmedical.com

Poland
Quantel Medical
ul. Racławicka 93
02-634 Warszawa
Tel: +48 22 5210111
Email: info@quantel-medical.pl

Representative Offices
Thailand, Chiang Mai
Brazil, Rio De Janeiro


www.quantel-medical.com

LACRYDIAG™
COMPLETE DIAGNOSIS OF DRY EYE

INTERFEROMETRY
N.I.B.U.T.
TEAR MENISCUS
MEIBOGRAPHY

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

The LacryDiag ocular surface analyser complies with the dry eye diagnosis recommendations established in the DEWS II report. It offers quick, complete diagnosis of the three tear film layers, produces images of the meibomian glands and measures the percentage of loss of the meibomian glands.

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

**4 NON-CONTACT EXAMS IN 4 MINUTES**

1. **Interferometry:**
   - Qualitative and quantitative analysis of the lipid layer
   - Quick determination of lipid layer quality
   - Evaluation of lipid layer thickness based on a grading scale

2. **Tear meniscus:**
   - Quantitative analysis of the aqueous layer
   - Measurement of tear meniscus height (mm)

   - Evaluation of tear film stability within the mucin layer
   - Automatic measurement of tear film break-up time (sec.) using the device software
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.

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

**EXAM REPORT**

- Easy-to-read exam report thanks to the color dial
- Report is illustrated with patient images
- Report can be edited out in one click
**4 NON-CONTACT EXAMS IN 4 MINUTES**

1. **Interferometry:**
   - Qualitative and quantitative analysis of the lipid layer
   - Quick determination of lipid layer quality
   - Evaluation of lipid layer thickness based on a grading scale

2. **Tear meniscus:**
   - Quantitative analysis of the aqueous layer
   - Measurement of tear meniscus height (mm)

   - Evaluation of tear film stability within the mucin layer
   - Automatic measurement of tear film break-up time (sec.) using the device software

**Dry eye** is a particularly common disease that affects the health and well-being of millions of people worldwide. The LacryDiag ocular surface analyser complies with the dry eye diagnosis recommendations established in the DEWS II report. It offers quick, complete diagnosis of the three tear film layers, produces images of the meibomian glands and measures the percentage of loss of the meibomian glands.

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

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

**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

**Classification into 4 levels of the meibomian glands dysfunction**

1. 0 to 25% loss
2. 25 to 50% loss
3. 50 to 75% loss
4. 75 to 100% loss

**Two configurations:**

- LacryDiag on dedicated examination table
- LacryDiag on slit lamp

**LacryDiag** on slit lamp

**LacryDiag** on dedicated examination table
**THE ADVANTAGES OF LACRYDIAG**

- **Overall analysis of ocular surface**
- **Non-contact exams**
- **Easy to use**
- **Immediate results**
- **Delegable exams**
- Can be adapted to suit all work environments

**ADDED VALUE FOR YOUR CLINICAL PRACTICE:**
- Expand your clinical offer to your patients
- Diagnose the cause of dry eye earlier
- Understand the origin of dry eye to offer a more targeted and effective treatment
- Assess post-treatment results
- Optimise post-surgery results (LASIK, glaucoma, cataract)

**IMPROVE YOUR PATIENT’S QUALITY OF LIFE:**
- Quick, pain-free exams
- Easily educate your patients from understandable images
- Offer patients personalised treatment
- Provide evidence of diagnosis and treatment results
- Improve patient care
- Satisfy your patients, with relief from the very first treatment
**ADDED VALUE FOR YOUR CLINICAL PRACTICE:**

- Expand your clinical offer to your patients
- Diagnose the cause of dry eye earlier
- Understand the origin of dry eye to offer a more targeted and effective treatment
- Assess post-treatment results
- Optimise post-surgery results (LASIK, glaucoma, cataract)

**THE ADVANTAGES OF LACRYDIAG**

- **IMPROVE YOUR PATIENT’S QUALITY OF LIFE:**
  - Quick, pain-free exams
  - Easily educate your patients from understandable images
  - Offer patients personalised treatment
  - Provide evidence of diagnosis and treatment results
  - Improve patient care
  - Satisfy your patients, with relief from the very first treatment

- **S’adapte à tout type d’environnement**
- **Facile d’utilisation**
- **Examens déléguables**
- **Résultats immédiats**
- **4 exams in 4 minutes**
- **Analyse globale de la surface oculaire**

**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.
© 2018. Quantel Medical, LacryDiag is a registered trademark of Quantel Medical. All rights reserved.

www.quantel-medical.com

The LacryDiag ocular surface analyser is a non-invasive, class I diagnostic medical device, designed and manufactured by SBM Sistemi and distributed by Quantel Medical.