

OCULAR SURFACE
ANALYZER SERIES

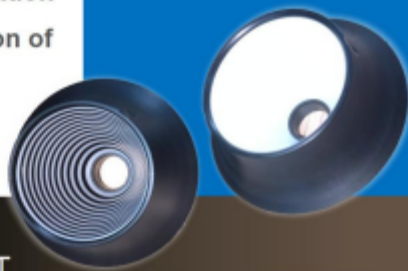




PROFESSIONAL DRY EYE EXAMINATION



Designed specifically for dry eye examination
The strongest support for the construction of
DRY EYE CLINICS



EXPERT

20mm

more comfortable
Imaging work distance
is longer



Uniform light source
obtaining high-quality
data on the nasal
temporal side



Stable distance, angle,
and brightness of the
light source

AI

AUTO

automatic analysis
Fully automatic
identification,
measurement, and
analysis



Quantification of results
Quantify the analysis data to
numerical values

FAST

Quick inspection
Can combine inspection items
arbitrarily

REPORT

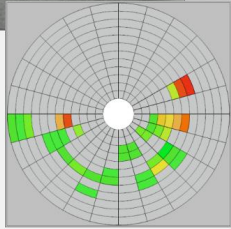
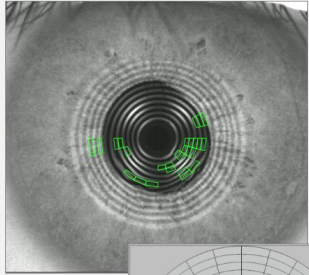
Comprehensive content Complete presentation of dry eye examination data on one report transparency Combining images with numerical values to present detailed results

Multiple templates Support single report or arbitrary combination of multiple projects to meet different needs

SK Comprehensive Report

ID: 20210402481017 Name: XXX Gender: Male Age: XX Vision R: L:

| | OD | OS | OD | OS |
|---------------|---|----|---|---|
| N I B U T | | | First:4.33s Average:4.33s | First:4.33s Average:7.00s |
| | Normal:First+10s,average>3s;Critical:First>6-9s,average>7-13s;Dry eye:First<5s,average<7s | | | |
| T M H | | | Central: 0.19mm Average: 0.19mm | Central: 0.25mm Average: 0.25mm |
| | Infrared light Normal:20-2mm,MSD<0.3mm,Moderate<0.3mm,Serious>unmeasurable Visible light Normal: 20-15mm,Decreased tear secretion<0.15mm | | | |
| Lipid Layer | | | Avg: 30-80nm High: 120-160nm Low: <30nm | Avg: 30-80nm High: 120-160nm Low: <30nm |
| | Reference: 10-20nm, 30-100nm, 40nm, 30nm, 40nm, 20nm | | | |
| Red Eyes | | | Nasal: 1.5 Bitemporal: 0.7 | Nasal: 1.4 Bitemporal: 0.9 |
| | Red eyes Grade Index: 0: No Hyperemia; 1-1: Mild; 1-2: Moderate; 2-3: Severe; 2-3: Serious | | | |
| Gland Opening | | | Score: 1.0 Score: 1.0 | Score: 1.0 Score: 1.0 |
| | Reference: 0-Normal; 1-Covered with capping; 2-Pouting or Obliteration; 3-Serious plugging or Gland opening atrophied. | | | |
| N E I B O | | | Def Rate: 26% Score: 0.7 Def Rate: 8% Score: 0.2 | Def Rate: 8% Score: 0.2 Def Rate: 12% Score: 0.3 |
| | Score: 0-No staining; 1-Tip Pointate staining; 2-Thick epithelium loss; 3-corneal epithelial erosion; 4-Flake diffuse staining. Range: 0-no loss; 1-involved 1 quadrant; 2-involved 2 quadrants; 3-involved 3 quadrants; 4-involved central of the cornea. | | | |
| Staining | | | Degree: 1.0 Range: 1.0 | Degree: 1.0 Range: 1.0 |
| | Date: 2021-04-02 Doctor: XXX | | | |



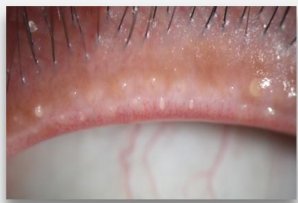
NIBUT

Infrared photography:

Using infrared as the light source, it does not stimulate tear secretion, making it more comfortable and the results more realistic.

Visible light shooting:

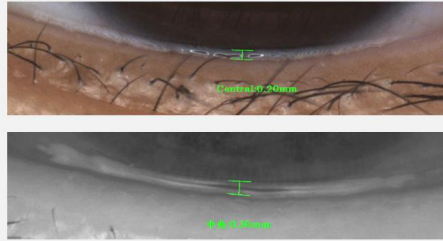
Penetrating white light technology allows for clearer viewing of the tear stream, making it easier to observe its continuity



GLAND OPENING

High definition photography

Can clearly obtain the overall shape of the eyelid margin Images of subtle changes in glandular opening



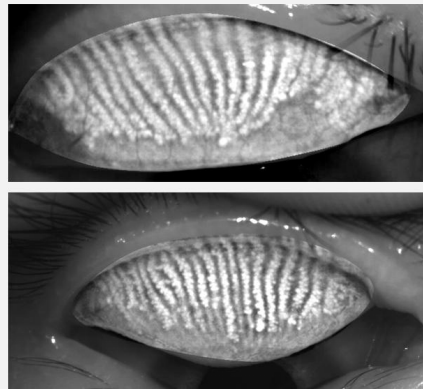
TMH

Infrared photography:

Using infrared as the light source, it does not stimulate tear secretion, making it more comfortable and the results more realistic

Visible light shooting:

Penetrating white light technology allows for clearer viewing of the tear stream, making it easier to observe its continuity

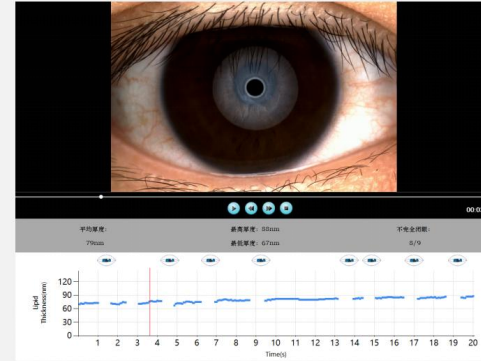


MEIBO

Professional infrared imaging can clearly observe the morphology of meibomian acini

AI image enhancement

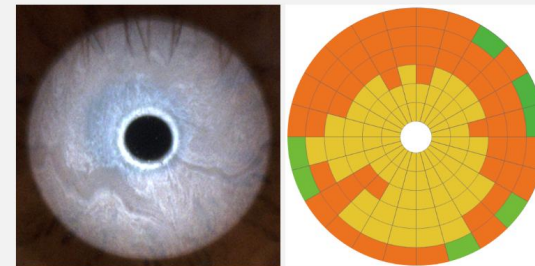
Supports automatic recognition, enhances gland contrast, and automatically calculates the proportion of meibomian gland loss



LIPID LAYER DYNAMIC

By using a uniform mask projection and recording automatic progress analysis, the entire range of the lipid layer can be clearly observed, and real-time changes in lipid layer thickness can be observed during each eye opening period

Using professional AI algorithms, quantitative analysis of lipid layer thickness measurement can be accurate to 1nm



LIPID LAYER STATIC

High precision

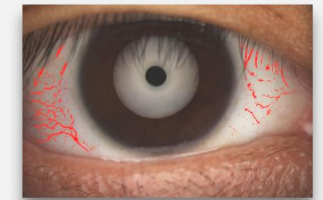
Adopting uniform mask projection, it can fully present the true color and shape of the lipid layer

Using professional AI algorithms, the measurement of lipid layer thickness can be accurate to 10nm

BLINKING

Automatic recognition, statistics, and playback

In the lipid layer dynamic analysis project, simultaneously automatically identify and record incomplete blink data

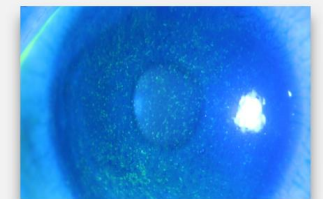


RED EYES

Conjunctiva, ciliary, two modes

Multidimensional analysis of ocular surface congestion in subjects

Provide more basis for diagnosis



STAINING

Professional yellow filter

Make corneal fluorescein sodium staining images clearer



PROFESSIONAL DRY EYE + DIGITAL SLIT LAMP



MULTIPURPOSE

The digital slit lamp is equipped with a professional dry eye inspection module, which can be owned by one device

LIGHT SOURCE

Professional halo design, larger and more uniform projection area, obtaining more complete lipid layer analysis data

ALL - IN - ONE

Provide comprehensive dry eye examinations to provide multi-dimensional and reliable results for outpatient services

AUTO

automatic analysis
Fully automatic identification, measurement, and analysis

QUANTITATIVE

Quantification of results
Quantify the analysis data to numerical values



PARAMETER

| model | EM | EM-L | EM-LT | EM-R | EM-S |
|---------------------|--------|--------|--------|--------|------|
| Optional slit lamp | Type 0 | Type 0 | Type 0 | Type 0 | — |
| Digital collector | CCD | CCD | CCD | CMOS | CCD |
| Uniform halo | — | Yes | Yes | Yes | Yes |
| TMH | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ |
| NIBUT | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ |
| Lipid Layer Static | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ |
| Lipid Layer Dynamic | — | — | — | — | ⦿ |
| Incomplete blinking | — | — | — | — | ⦿ |
| Red Eyes | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ |
| Gland opening | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ |
| Melbo | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ |
| Corneal Staining | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ |
| Mite function | — | — | — | — | — |

⦿ Manual
⦿ Automatic



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