

PERFORM A **BIOMETRY** IN **B MODE** AND **IOL** CALCULATION

ABSolu™

PATIENT DATA

> Select a **Physician** name

> Select an **Examiner** name if required



1 CREATING A NEW PATIENT:

A. Enter the ID Number and/or patient Last Name, First Name in the corresponding fields

B. Select + to enter all Patient information

C. Select 💾 to save the Patient data or click on NEW Session



2 SELECTING A REGISTERED PATIENT:

To select a Patient that already exists in the database, either:
- Type in the first letters of the last name, or the first numbers of the ID Number
- An asterisk (*) to display the Patient list with all names.

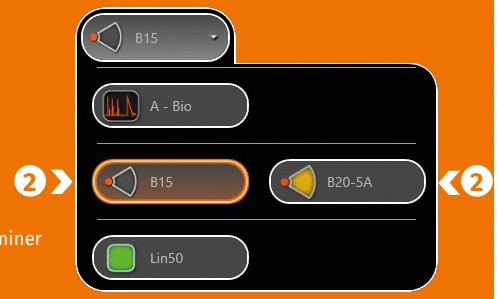
> For more detailed information about the use of the ABSolu, please refer to the electronic user manual available in the ? menu.

Quantel medical
BY LUMIBIRD MEDICAL

BIO B-SCAN ACQUISITION

1 ACCESS THE EXAM SCREEN: Select: NEW Session

2 SELECT THE B-SCAN PROBE
Bio B mode exam can be performed either with:
- the 15Mhz B probe: select the **B15 icon**, or
- the 20MHz-5A probe (annular transducer technology): select the **B20 icon**



3 EXAM CONDITION
To carry out this exam, the patient has to be lied down. The easiest location for the examiner is to be behind the patient's head and have the ABSolu unit in front of him.

4 SELECT THE EYE: OD or OS

5 SELECT THE BIO B ICON Bio B

6 SELECT THE PROBE POSITION ON THE EYE
a. Press on the footswitch or the corresponding icon to activate the probe:
b. Adjust the probe position on the Patient eye as indicated in the "Calibration of the Probe Detection" window (if activated) and press on the footswitch to save the calibration, or select: 💾



7 ADJUST PARAMETERS: Eye type, Vitreous type

8 BIO B EXAM
a. Using either ophthalmic gel directly on the cornea, or the scleral shell technique, place the probe on the corneal vertex with the probe marker in the nasal or temporal position.
b. Find the macula and cornea.
c. When the scan is complete, press the footswitch and select the best loop scan (by using the loop function).
d. Add Measurements from the selected loop to the table by using the icon: Bio
Check that :
- The CV line is well positioned. If not, move it with the mouse. It should go through the center of the cornea and lens and then it should reach the macula.
- The markers are well positioned. If not, relocated correctly the markers with the mouse.

e. Repeat the measurements several times to get an average. Check if the average is selected for the IOL calculation and the standard deviation is inferior to 0.1.
Press on the footswitch for 3 seconds to save the A-Scan. Or press on the icon: 💾



IOL CALCULATION

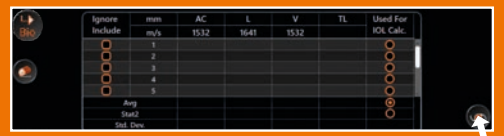
1 ACCESS THE IOL SCREEN: check if the average is selected for the IOL calculation

2 SELECT THE IOL REFERENCE AND IOL FORMULA
or Post refractive formula to calculate the IOL power

3 SAVE THE BIO B-SCAN MEASUREMENTS AND IOL CALCULATION : Select the icon: 💾

4 EXAM REPORT
To create the report, select the icon:

5 EXPORT REPORT
Export options EMR EMR EMR





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