

Tear Biomarker Testing Platform

LATIN AMERICA

Compact reader configured for compatible AXIM Eye lateral-flow assays



Platform Overview

A camera-based, colorimetric point-of-care reader that provides objective interpretation of compatible immunochromatographic lateral-flow assays. The AXIM Eye workflow pairs a compact touchscreen reader with test-specific barcodes, bilateral tear collection, diluent vials, and assay cassettes.

Compatible AXIM Eye Assay Categories

Tear Lactoferrin: quantitative tear-biomarker measurement intended to provide objective information associated with lacrimal secretory function.

Tear IgE: tear-biomarker measurement intended to provide objective information associated with ocular allergic response.

Reader Specifications

Technology: Camera-based colorimetric lateral-flow reader

Touchscreen: 4.3-inch

Internal memory: 16 GB

Battery: Up to 4 hours

Dimensions incl. tray: 177 x 115 x 145 mm (W x H x D)

Weight: 625 g / 1.38 lb

Input power: 100-240 VAC, 50-60 Hz; max. 18 W

Workflow & Data

Test selection: Test-specific barcode / Data Matrix input

Results: Test-specific quantitative, semi-quantitative, or qualitative output

Connectivity: Wi-Fi, Ethernet/LAN, and slim USB

Export: USB and configured network export; SFTP capability

Interoperability: HL7 v2.8-capable configuration

Traceability: Stored results and images; user/audit functions depend on configuration

Assay timing: Current AXIM Lactoferrin guide uses a 10-minute timed scan

Professional-use qualification

For trained professionals using the locally authorized AXIM Eye assay, current package insert, reader manual, controls, and country-specific labeling. Assay cutoffs, performance claims, kit contents, and regulatory status are test- and market-specific. The reader specification values above reflect AXIM's published configuration and may change with hardware or software revisions.

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Manufacturer / assay developer: AXIM Biotechnologies, Inc. | Reader platform technology: IUL, S.A.

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