



TearScan™ Lactoferrin Diagnostic Test Kit

Product Description: The ATD Tear Micro Assay System offers an FDA approved in vitro diagnostic test for the quantitative measurement of lactoferrin in human tears.

Sensitivity: 83%
Specificity: 98%
Precision: < 9% CV

Lf Dynamic Range: 0.25 - 2.5 mg/ml
Shelf Life: 18 months
CPT: 83520

Product Benefits

For Patients:

- Painless, non-invasive tear sample used in test
- Correct diagnosis and treatment can be prescribed on first visit
- More targeted and effective treatment for eye discomfort

For Clinics:

- Improved and more efficient patient care
- Tests are simple, accurate, rapid, inexpensive and reimbursable
- Tests assess lacrimal gland function and aid the assessing etiology of Dry Eye Disease
- Tests may indicate the cause of contact lens intolerance
- Tests may help identify risk factors prior to ophthalmic surgical procedures
- Tests can be performed by a technician
- Platform is a Class II, moderate complexity lab system
- Low equipment & set up expense

Clinical Utility

Low Lactoferrin Levels

- Dry Eye Disease - Aqueous deficient dry eye, allows for quantitative grading of severity
- Contact Lens - May have increased risk of hypoxia and dehydration
- Ophthalmic Surgery – May have increased risk of post operative DES
- Immunology – Compromised ocular immune system; may be increased surgical risk factor

Normal Lactoferrin Levels

- Dry Eye Disease – Normal Lacrimal Gland function implies an evaporative tear disorder or ocular allergy
- Contact Lens – Good contact lens candidate
- Ophthalmic Surgery – Risk factors related to lacrimal gland are normal
- Immunology – Properly functioning ocular immune system