

Tests possibly supportive of fluoroquinolone toxicity:

Neurofilament Light Chain (NfL) – Plasma

Purpose: Detects nerve damage

CPT Code: 83520

Lab: Labcorp

Link: <https://www.labcorp.com/tests/140555/neurofilament-light-chain-plasma>

Small Fiber Neuropathy Testing (Skin Biopsy)

Purpose: Diagnoses small fiber nerve damage via epidermal nerve fiber density

CPT Codes: 88305, 88356

Lab: Therapath

Link: <http://therapath.com/epidermal-nerve-fiber-density-test-biopsy-sites>

Histamine Determination – Plasma

Purpose: Assesses histamine levels, relevant for histamine intolerance

CPT Code: 83088

Lab: Labcorp

Link: <https://www.labcorp.com/tests/144600/histamine-determination-plasma>

8-OHdG – Urine Oxidative Stress Test

Purpose: Measures DNA damage from oxidative stress

CPT Code: 82542

Lab: Doctor's Data

Link: <https://www.doctorsdata.com/DNA-Oxidative-Damage-Assay-urine>

Mitochondrial Antibody Screen with Reflex to Titer

Purpose: Evaluates mitochondrial dysfunction and autoimmunity

CPT Code: 86381

Availability: Available nationwide; ordering typically done through healthcare providers

Nutreval FMV by Genova Diagnostics

Purpose: Comprehensive panel assessing nutrients, mitochondria, oxidative stress, and more

CPT Codes: Includes 82139, 83921x19, 83497, 83520, 82542x2

Lab: Genova Diagnostics

Link: <https://www.gdx.net/products/nutreval>

Drug Monitoring Panel (custom fluoroquinolone testing)

Purpose: Measures fluoroquinolone and other drug levels in serum/plasma

CPT Code: Varies by lab

Lab: specialty toxicology labs

MCAS (Mast Cell Activation Syndrome):

Tryptase – Serum

Purpose: Detects mast cell activation (best drawn within 1–4 hours of a flare)

CPT Code: 83520

Lab: LabCorp

Link: <https://www.labcorp.com/tests/004280/tryptase>

Histamine – Plasma

Purpose: Measures histamine released during mast cell degranulation; requires chilled processing

CPT Code: 83088

Lab: Quest Diagnostics

Link: <https://testdirectory.questdiagnostics.com/test/test-detail/36586/histamine-plasma?p=r&q=83088&cc=MET>

Chromogranin A

Purpose: General neuroendocrine marker, occasionally elevated in MCAS

CPT Code: 82397

Lab: Quest Diagnostics

Link: <https://testdirectory.questdiagnostics.com/test/test-detail/31911/chromogranin-a-lcmsms?cc=MASTER>

Heparin – Plasma (Specialty Lab Only)

Purpose: Indicates mast cell mediator release; rarely used but can be supportive

CPT Code: Varies by lab

Lab: Specialty immunology labs

Link: *must request via physician referral*

Therapath Neuropathology

Service: Specializes in neuropathology services, including skin biopsies for small fiber neuropathy and mast cell staining.

Location: Based in New York, but accepts samples from across the United States.

Contact: Details provided on their website

Mayo Clinic Laboratories

Website: <https://www.mayocliniclabs.com/>

Use their test catalog to search for CD117 staining services or contact them directly for more information

ARUP Laboratories

Website: <https://www.aruplab.com>

Explore their test offerings or reach out to inquire about CD117 staining

Other MCAS tests also available via Mayo Clinic