

Suspect Fibromyalgia?



Diagnose Faster. Treat Sooner.
Improve Lives.

The IQuity Process



CLINICAL EXAMINATION

Conducted at the earliest onset
of symptoms



ORDER TEST

Provider orders test -
simple blood draw



PROCESS BLOOD

Processed by IQuity's
CLIA-certified lab



ANALYZE DATA

RNA expression data analyzed
using proprietary algorithm



DELIVER RESULTS

Lab delivers Yes or No result in
as little as 7 days from receiving
the sample in the lab

Isolate Fibromyalgia™

Results Delivered in a Week or Less

IsolateFibromyalgia™ is a breakthrough diagnostic tool that gives providers information that can assist in diagnosing suspected fibromyalgia syndrome early.

That means earlier treatment to optimally manage the disease and lessen chronic pain and patient discomfort.

The Value of Earlier Diagnostic Confirmation

IsolateFibromyalgia offers healthcare providers a timely, accurate tool to either 'rule in' or 'rule out' a suspected diagnosis and provide their patients with the answers they are desperately trying to uncover. Current methods for diagnosing fibromyalgia syndrome rely on patient reported pain symptoms and clinical observation.

IsolateFibromyalgia utilizes a proprietary algorithm that identifies patterns of RNA markers isolated from a blood sample consistent with fibromyalgia syndrome.

Physician Perspective

Good medical practice requires that doctors eliminate other possible causes of pain, sleep disorders, or other psychiatric symptoms before identifying fibromyalgia as the problem.

"I think it's misdiagnosed most of the time when symptoms first present," says Todd Sitzman, MD, a past president of the American Academy of Pain Medicine. "Because by definition it's a diagnosis of exclusion. The physician looks for other sources for their chronic fatigue, for their chronic muscle pain, sleep disturbance and mood disorder before they assign a diagnosis of fibromyalgia."

Excerpt from "Why Fibromyalgia is So Hard to Diagnose." Health.com (Feb. 29, 2016)

Research and Development

Test Foundation: IQuity's Research

IQuity's proprietary process, IQIsolate™, was developed by studying more than 2,500 samples from around the world. The IsolateFibromyalgia™ test is based on almost 600 samples collected from 7 states. Using machine learning methods, IQuity was able to distinguish fibromyalgia from other diseases and healthy control subjects.

- Healthy control subjects
- Fibromyalgia patients included:
 - Patients with disease prior to treatment
 - Patients with established disease

Standard calculations of sensitivity and specificity were employed to determine the accuracy of the results, which are greater than 90%.

More than 600 samples from healthy subjects and patients with disease were studied to develop IsolateFibromyalgia.

- fibromyalgia
- rheumatoid arthritis
- systemic lupus
- clinically diagnosed depression
- other disease controls: endocrine, rheumatologic, dermatologic, etc.
- healthy control subjects



IQIsolate™ – Innovative process powering IsolateFibromyalgia™

IQuity's suite of algorithms, IQIsolate, is a revolutionary process that analyzes RNA markers in a blood sample. IQuity's peer-reviewed research revealed that RNA expression patterns of patients with autoimmune diseases and conditions, including fibromyalgia syndrome, vary widely. These RNA patterns are present at the onset of symptoms. IQIsolate measures the expression of RNA markers that are isolated from a patient's blood sample and matches this RNA profile against healthy and sick patient profiles identified through our research.

This analysis determines if the patient's gene expression pattern is consistent with a specific disease. Research efforts utilizing this novel approach began at Vanderbilt University Medical Center more than a decade ago and continue at IQuity with funding from the National Institutes of Health and private investors. The scientists involved realized the impact this discovery would make on millions of patients suffering from autoimmune disease.

Faster diagnosis and treatment leads to better disease management and improved long-term outcomes.

90+%

IsolateFibromyalgia is a highly accurate RNA analytic tool that identifies gene expression patterns consistent with fibromyalgia syndrome. The sensitivity and specificity are greater than 90% at the onset of symptoms.

Visit our News & Resources Section at iquitylabs.com to learn more about IQuity.

IQuity
Specialty Diagnostic Technologies