

Who gets MS?

At IQuity, we know that a suspected MS diagnosis is the last thing you wanted to hear. So you ask – why me?

Multiple sclerosis affects more than two million people worldwide and over 400,000 in the US; and, with nearly 200 new cases diagnosed weekly and it's easy to see – you are not alone.

Multiple Sclerosis:

- Affects more females than males
- Impacts young adults most frequently
- Occurs more often in colder climates
- Seen more often in Caucasians

It is generally accepted that earlier diagnosis leads to improved outcomes. So, while you may be anxious about what you are facing, the tools to reach an early, accurate diagnosis and effective treatment are improving.



IQIsolate™ - Innovative Process powering IsolateMS

IQIsolate is a proprietary process utilizing machine learning methods to develop a suite of algorithms that analyze expression of RNA markers detected in a simple blood sample. IQuity's peer-reviewed research revealed that RNA expression patterns detectable in blood samples of patients with autoimmune conditions, such as MS, and non-autoimmune conditions with similar symptoms vary widely. These RNA patterns are present at the onset of symptoms. IQIsolate measures the expression of RNA markers that are extracted 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 for this novel technology began at Vanderbilt University Medical Center more than 12 years ago with funding from the National Institutes of Health. IQuity is commercializing this research and introduced its first test for multiple sclerosis, IsolateMS, for clinical use in summer 2017; additional tests for IBS-IBD and fibromyalgia will be available later in the year.

These discoveries will help millions of patients receive an early, accurate diagnosis. For more information visit iquity.com



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When your provider suspects MS



Time Matters

Receiving an early diagnosis means getting treatment faster.

Early treatment leads to the best long term outcomes. At IQuity we are focused on improving the process of diagnosing MS and helping patients lead better lives.

Diagnose Faster. Treat Sooner. Live Better.



What is MS?

Multiple sclerosis, or MS, is a chronic illness that affects your brain, spinal cord, and even the nerves in your eyes.

MS can cause problems with vision, balance, and muscle control. Symptoms can include fatigue, pain and weakness - all generic symptoms that could mean a lot of things. With MS, your immune system attacks a fatty material, or shell, which surrounds your nerves to protect them. Without this outer shell, your body damages your nerves, and scar tissue may form. The damage means your brain can't send signals to your body so it can't work like it should.

There is no consistent pattern of symptoms; they can appear randomly over time, or they can be persistent from the onset. It's different for everyone who has the disease. Symptoms can range from mild with little effect on day-to-day activities to more severe, making it hard to live a normal life.

Many people with MS have times when they feel okay and times when they feel noticeably worse and experience a relapse. For other people, the disease steadily progresses and they get worse as time passes.

"Significant delays often occur before a person with symptoms suggestive of MS sees a neurologist for diagnosis and treatment. This is despite diagnosis being 10 times more rapid now than in the 1980s and substantial evidence that early treatment is more effective than later treatment."

— G. Giovannoni, et al 2015 *Brain health: Time Matters in Multiple Sclerosis*



What Now?

The current diagnostic process can be lengthy and costly.

You might have multiple physician visits, MRIs to monitor changes in lesions over time, spinal taps, and other procedures before you get a clinically definitive diagnosis - all the while, damage is increasing.

But, now there is a new test to help your provider - a blood-based RNA test that is greater than 90% accurate at the earliest sign of symptoms; a blood test that will give your provider a yes or no result in as little as 7 days.



What is an RNA Test?

An RNA test looks inside your cells at what is going on in real-time. We'll take a tube of your blood and isolate the RNA using gold standard procedures. Then applying our proprietary methods, we'll compare your RNA to thousands of test subjects to see if your RNA looks like MS or not.



What to Expect:

1. Your provider will order the test.
2. IQuity Customer Care will contact you via email (or by phone if you do not have an email address) to get the test and payment process started.
3. IQuity will ship your kit to you or your provider based on the information in Step 2. (*Do Not Open the Kit*)
4. Your blood will be drawn and shipped to IQuity's CLIA certified lab.
5. IQuity lab technicians will analyze your sample using our proprietary methods.
6. Your results will be delivered to your provider approximately 7 days after the sample is received.

Isolate **MS**TM