ORCHID

Orchid's PGT-WGS Fragile X for PGT-M

A Simplified Option for *FMR1*-Related Disorders

New Offering: PGT-WGS for Direct Fragile X CGG Repeat Detection via PGT-M

Key Advantages:

- **Available for known intermediate and premutation carriers**
- **No probes or family studies required**
- **Simplified workflow for faster results**

What We Test For

Orchid's PGT-WGS with PGT-M add-on for Fragile X test analyzes CGG repeat numbers* in the *FMR1* gene, which are associated with:

Normal	<45 repeats	Negative for Fragile X syndrome and related disorders
Intermediate	45-54 repeats	Generally not associated with clinical symptoms but may be unstable when transmitted to offspring
Premutation	55-200 repeats	Increased risk of expansion in offspring and associated with FXTAS and FXPOI (see below)
Full Mutation	>200 repeats	Indicative of Fragile X syndrome

Why Choose Orchid's PGT-WGS for Fragile X?

- **Streamlined workflow** eliminates the need for custom probe development and reports CGG repeat #
- **Simplified patient journey** with faster time to results
- **Comprehensive reporting** of other clinically significant conditions simultaneously

For more information: Email Maria@orchidhealth.com call or text: 510-871-4763

The first step is complimentary pre-test counseling: Have patients scan this QR code for clinic-exclusive same-day availability or introduce your patients via email at **genetics@orchidhealth.com** and we'll take it from there!

FXTAS: Fragile X-associated Tremor/Ataxia Syndrome
FXPOI: Fragile X-associated Primary Ovarian Insufficiency

* Please note, results will be reported as a single CGG number, however variances of 3 CGG repeats for repeat ranges <70, +/- 5 CGG repeat ranges of 71 - 120, and +/- 9 CGG repeats for >121 may occur.