
Overview**Testing Algorithm**

This follow-up test is added by the laboratory dependent upon on the result of the PCR analysis (FXS / Fragile X Syndrome, Molecular Analysis).

This is not an orderable test.

Method Name

This follow-up test is added by the laboratory dependent upon on the result of the PCR analysis (FXS / Fragile X Syndrome, Molecular Analysis).

This is not an orderable test.

NY State Available

Yes

Specimen**Specimen Type**

Varies

Specimen Required

This is not an orderable test.

This follow-up test is added by the laboratory dependent upon on the result of the PCR analysis (FXS / Fragile X Syndrome, Molecular Analysis).

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Varies	Varies (preferred)		

Clinical & Interpretive**Reference Values**

This is not an orderable test.

This follow-up test is added by the laboratory dependent upon on the result of the PCR analysis (FXS / Fragile X Syndrome, Molecular Analysis).

Performance**Method Description**

Methylation for premutation and full mutation alleles is determined by capillary electrophoresis analysis of a PCR-amplified product from DNA that is treated with a methylation-sensitive restriction enzyme.(Grasso M, Boon EM, Filipovic-Sadic S, et al: A novel methylation PCR that offers standardized determination of *FMR1* methylation and CGG repeat length without southern blot analysis. J Mol Diagn 2014 Jan;16(1):23-31; Snow K, Doud LK, Hagerman R, et al: Analysis of a CGG sequence at the FMR-1 locus in fragile X families and in the general population. Am J Hum Genet 1993;53:1217-1228)

PDF Report

No

Performing Laboratory Location

Rochester

Fees & Codes**Test Classification**

This test was developed, and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the US Food and Drug Administration.

CPT Code Information

81244-*FMR1 (Fragile 1 mental retardation1) gene analysis, characterization of alleles (eg, expanded size and methylation status)*

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
FUFXS	Fragile X, Follow up Analysis	No LOINC Needed

Result ID	Reporting Name	LOINC®
52421	Comment	48767-8
52422	Specimen	31208-2
52423	Source	31208-2
52424	Released By	18771-6