

A simple and robust molecular research assay for the identification of SNVs and CNVs associated with Marfan syndrome.



## Research application

- Identification of SNVs and CNVs in the *FBN1* gene

### Assay characteristics

Genes	<i>FBN1</i>
Genomic region analyzed	21.1 kb
Number of amplicons	86 (including 14 control amplicons)
Amplicon length	290 - 420 bp
Number of plexes	4
DNA amount required	20 ng per multiplex reaction
Verified with	Illumina MiSeq®

### Performance Characteristics

#### Advised maximum number of samples per run:

Sequencing System	Illumina MiSeq®		
	Reagent kit		
Flow cell	Nano v2 2 x 250 bp	v2 2 x 250 bp	v3 2 x 300 bp
For SNV and CNV			
Minimal coverage per amplicon: 200	9	147	269*

\*only 192 MID combinations available.

# Workflow



# Order info

Cat. No.	Product Name	Product type	Reactions
MR-0110.008	MARFAN MASTR	Research	4

MID (Molecular Identifiers) kits are necessary to complete the workflow.

For Research Use Only. Not for use in diagnostic procedures.

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