

GT MD1 Detector

Cat No. GT-11601

CTG repeat expansion detection kit for Myotonic Dystrophy type 1 Disease

Product Features

- ✓ Accurate detection of CTG repeat in exon 1 of the DMPK gene responsible for Myotonic dystrophy type 1 (MD1) Disease.
- ✓ Easy repeat interpretation using the built-in panel.
- ✓ Works well with DNA extracted from blood, blood on DNA banking card (DBC) or blood diluted using GT Blood Lysis Buffer (GT BLB).
- ✓ Compatible with Applied Biosystems® 3130/3130xl and 3500/3500xl Genetic Analyzer.
- ✓ The GT MD1 Detector kit comes in two boxes, providing all the necessary reagents for multiplex PCR as well as GTE600 Size Standard and GTM5 Matrix Standard for genetic analysis using capillary electrophoresis.
- ✓ The size standard included gives precise size for each allele during the fragment analysis using capillary electrophoresis.



Figure 2. A profile of a normal individual (GTQCDM) obtained using GT MD1 Detector kit.

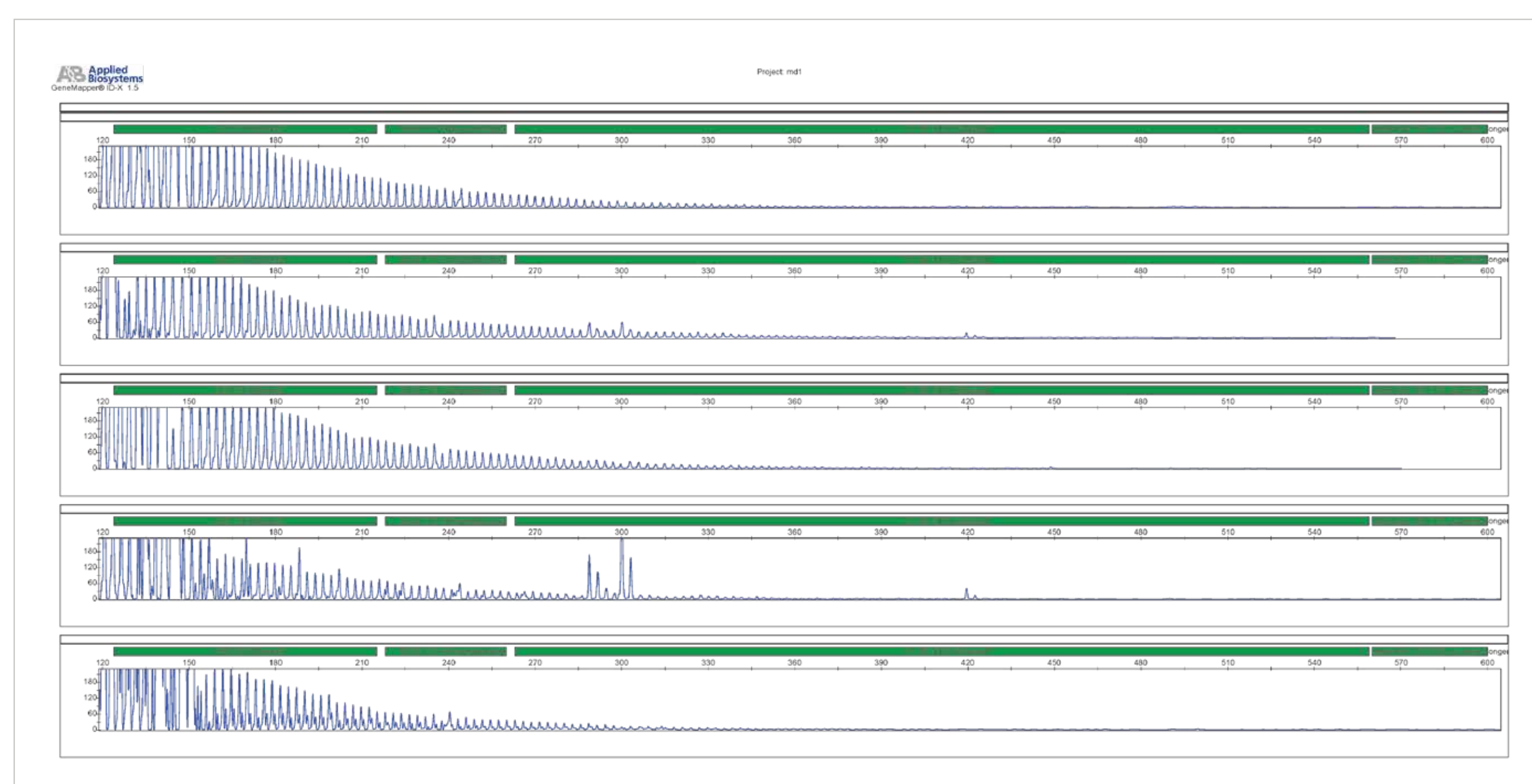


Figure 3. Profiles of individuals affected with Myotonic Dystrophy, diagnosed using GT MD1 Detector kit.

Table 1. Fragment sizes used for designing panel for the GT MD1 Detector Kit

No.	Panel	Size Range	Disease severity
1	5-35 CTG	(124-215)	Normal
2	36-50 CTG	(218-260)	Presymptomatic
3	51-150 CTG	(263-559)	Classical
4	More than 150 CTG	(560-600)	Juvenile-Congenital

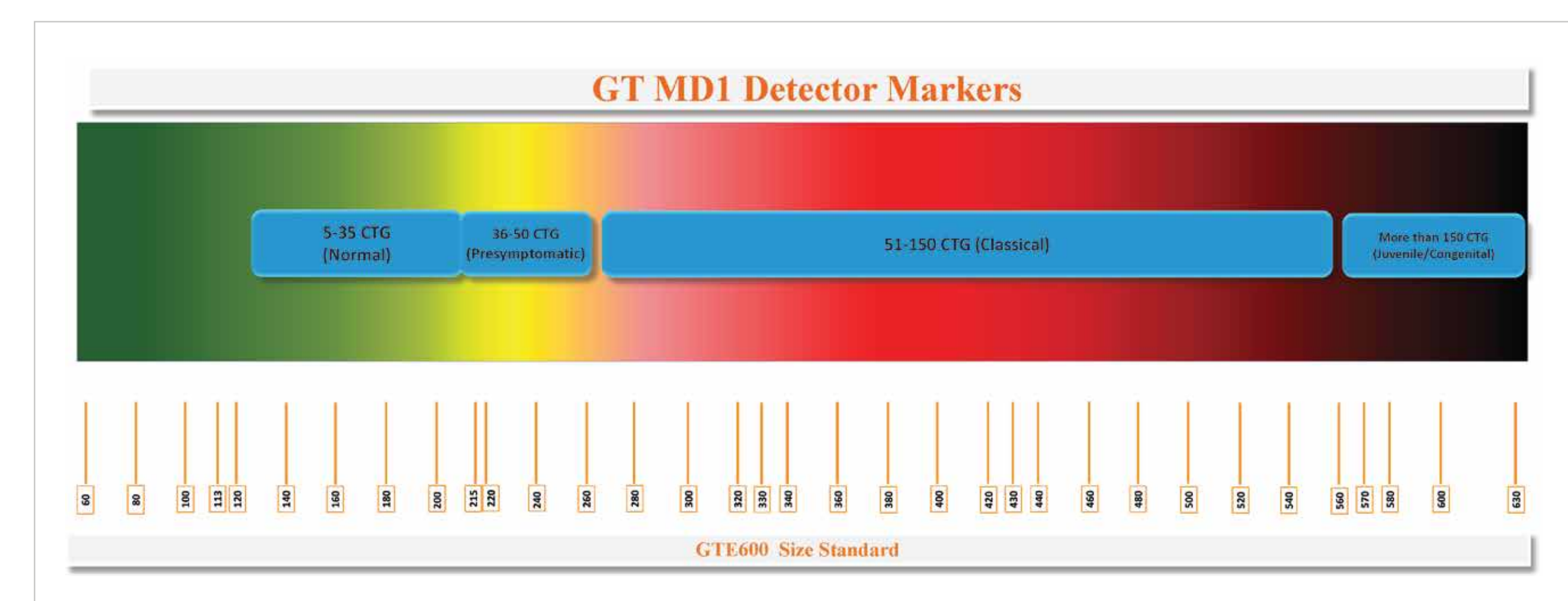


Figure 1. The Diagram shows panel with different repeat numbers and also gradient from normal (dark green) to juvenile form (dark red). The lower panel shows repeat numbers and severity or type of disease using the GT MD1 Detector Kit analyzed with GTE600 Size Standard.



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For further information please contact us via info@genetek.de

More details on Genetek products are available on our website: www.genetek-biopharma.com

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