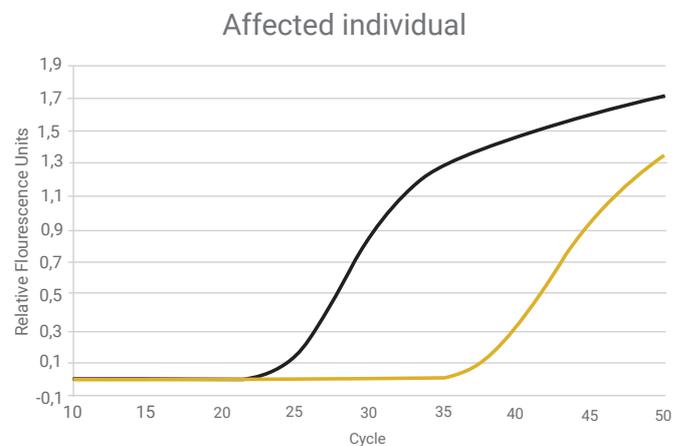
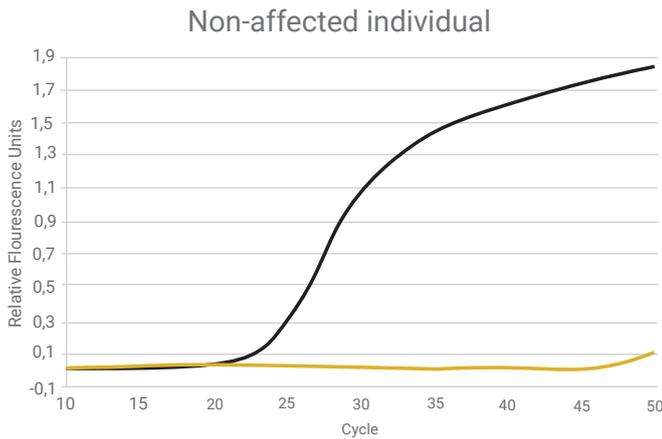


PlentiPlex™ KIT

Mastocytosis qPCR Assay



- Extremely sensitive detection of the *KIT* D816V mutation
- Results can be used to assist the diagnosis of Mastocytosis



PentaBase

PlentiPlex™ KIT Mastocytosis qPCR Assay is intended for detection of the *KIT* D816V mutation as part of the World Health Organization (WHO) diagnostic criteria for Mastocytosis. Extreme sensitivity is ensured by incorporation of unique PentaBase INA® technology and the PlentiPlex™ KIT Mastocytosis qPCR Assay is provided as either Ready-to-Use or Dispense Ready versions for minimal hands-on time or cost-efficient analyses.

Results in less than two hours

Based on INA® technology

Open platform design

0.005% LOD

For more information



Version 1.0

Specifications

Mutations	Product Variants
<i>KIT</i> D816V	Ready-to-Use variant pre-dispensed in PCR strip-tubes for minimum hands-on time Dispense Ready variant for cost-efficient bulk analyses
Intended Use	Input DNA
Identification of the presence and/or quantity of the <i>KIT</i> D816V mutation as part of the World Health Organization (WHO) diagnostic criteria to assist the diagnosis of Mastocytosis	5 - 300 ng of human DNA
Limit of Detection	Result Time
0.005%	Less than 2 hours
Instrument compatibility¹	Specimens
PlentiPlex™ <i>KIT</i> Mastocytosis qPCR Assay is designed for open platforms including but not limited to: -Applied Biosystems (7500, 7900, QuanStudio™) -Bio Molecular Systems (Mic ²) -Bio-Rad (CFX) -Illumina (Eco™) -Qiagen (Rotor-Gene Q) -Roche (LightCycler® 480) -PentaBase (BaseTyper™)	Specimens should be human genomic DNA extracted from whole blood samples
	Purification Methods
	Any manual or automatic purification method suitable for purification of genomic DNA from whole blood samples
1. Performance evaluation has only been performed on a limited group of instruments. Please refer to the <i>Instructions For Use</i> of the specific SensiScreen® qPCR Assays for details regarding instruments used during performance evaluation. 2. Only Dispense Ready variant	

PentaBase

PentaBase is a knowledge-based, ISO-certified real-time PCR-focused company founded and managed by researchers in Denmark. We have local *in-house* production of custom oligonucleotides and IVD qPCR assays based on our own proprietary DNA chemistry known as Intercalating Nucleic Acid (INA®). We specialise in development and manufacturing of oligonucleotides and *in vitro* diagnostic assays for real-time PCR with focus on detection of somatic mutations in cancer. For more than 10 years we have created products for researchers and medical professionals exploring new treatments and helping patients worldwide.

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