

This document provides a general product overview of the Bloodhound ABL1 Resistance Panel. Additional information can be found on Precipio's website at <u>www.precipiodx.com</u>, and the associated IFU (Instructions For Use), available upon request.

Technology	Bloodhound [™] ABL1 Resistance Panel is a proprietary set of RUO (Research Use Only) reagents used to detect
Overview	the wild type (Negative) from Mutated (Positive) genes in a simplified workflow relative to alternative molecular
	testing technologies (RT-PCR or NGS).

ABL1Bloodhound ABL1 Resistance Panel Reagents detect mutations in five different exons of the ABL1 gene, exon 4,
exon 5, exon 6, exon 7, and exon 8. Reagents are to be used in conjunction with Bloodhound BCR::ABL1
Quantitative Reagents, for all specimens with detected BCR::ABL1 fusion. The presence of ABL1 mutation can be
associated with diagnosis, therapeutic monitoring, detection of minimal residual disease (MRD), therapeutic
selection for response to TKIs, and/or stem cell transplantation.

ABL1 Exons	Coverage								
Exon 4	c.730A>G; p.M244V		c.742C>G; p.L248V		c.749G>A; p.G250E				
	c.757T>C; p.Y253H		c.763G>A; p.E255K		c.764A>T; p.E255V				
Exon 5	c.895G>A; p.V299L			c.895G>T; p.V299					
Exon 6	c.943A>G; p.T315A	943A>G; p.T315A c.949T>G		; p.F317V c.951C>G; p.F317		c.1075T>G; p.F359V			
	c.944C>T; p.T315I	c.949T>A	; p.F317l	c.951C>A; p.F317L		c.1075T>A; p.F359I			
	c.949T>C; p.F317L	c.950T>G	; p.F317C	c.1052T>C; p.M3	51T	c.1076T>G; p.F359C			
Exon 7	c.1187A>G; p.H396R								
Exon 8	c.1375G>A; p.E459K								

Results The results from Bloodhound ABL1 Resistance Panel are qualitative and DNA sequencing is required to identify specific point mutations.

Associated
WHO/NCCNIt is estimated that over 25% of CML patients will switch TKIs at least once during their lifetime due to TKI
intolerance or resistance. Mutations in the kinase domain (KD) of BCR-ABL1 are the most extensively studied
mechanism of TKI resistance in CML, but fail to explain anywhere from 20–40% of resistant cases.

	Specificity	Sensitivity	LOD	LOD						
Assay Specifications	>99%	98%	2%	2%						
SKU	Product Configu	uration	Assay Contents	Assay Contents						
BH-3P-ABL1	3 sample pre-plated plate		Primers/MasterMix Mix	Positive controls	NTC	Wild Type				
BH-6P-ABL1	6 sample pre-plated plate		Primers/MasterMix Mix	Positive controls	NTC	Wild Type				
BH-20R-ABL1	20 sample free-	flow reagents	Primers/MasterMix Mix	Positive controls						
Instrument Required	HRM-enabled RT-PCR (example ThermoFisher Quantstudio 3 or higher)									
Contact	For further ques	stions, contact our tec	hnical support team at techsup	port@precipiodx.co	om or ca	all 203-787-7888				
Disclaimer	however, it should and medical direct	d not serve as any guida	ents the company's best understar nce to any laboratory seeking to i wn information independently th	mplement HemeScree	en. Laboi	ratory managers				