

Genotyping



azura
genomics™
| Empowering
Discovery



AzuraQuant™ Genotyping Mix

The AzuraQuant™ Genotyping Mix is designed for best-in-class use in dual-labeled probe based genotyping assays including Taqman™ genotyping assays and is fully compatible with Applied Biosystems TaqMan® Pre-Designed SNP Genotyping assays.

The AzuraQuant™ Genotyping Mix utilizes the latest advancements in enzyme purification and buffer optimization to ensure that the AzuraQuant™ Genotyping Mix produces highly-specific, ultra-sensitive qPCR with clear allelic discrimination and outstanding allele clustering. The Mix has been developed and optimized for precise, fast, and highly reproducible genotyping of sequence variants including Type IV SNP (single nucleotide polymorphisms).

The AzuraQuant™ Genotyping Mix requires little if any optimization and provides an ideal buffer environment for very tight binding of allele-specific probes.

In order to determine instrument compatibility and the most appropriate ROX™ variant, please refer to the AzuraQuant™ Selection Table.

Applications

- SNP Genotyping and Allelic Discrimination

Accurate Allelic Discrimination

- Tight clustering for high confidence genotype calling

Flexibility

- Fully compatible with TaqMan® dual-labeled probes

Optimized for Difficult Templates

- Efficient amplification from GC-rich and AT-rich templates, under fast and standard cycling conditions.

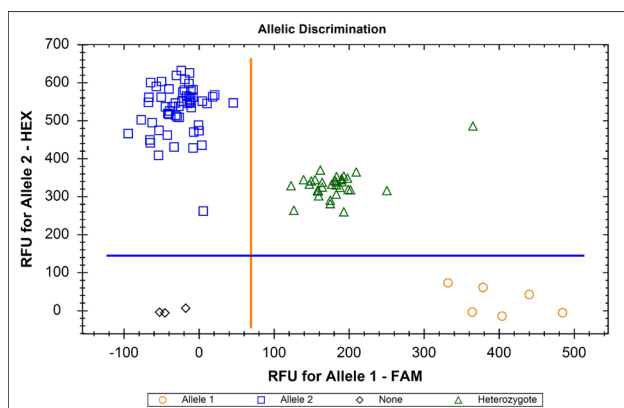
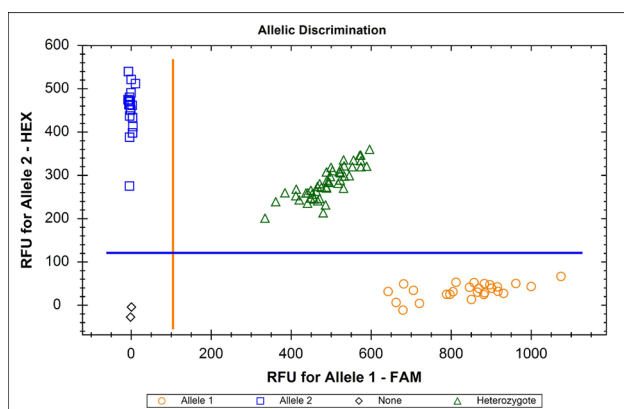


Fig 1. Reproducible allelic discrimination with AzuraQuant™ Genotyping Mix

- Purified human genomic DNA was analyzed at 2 loci using TaqMan® probes and AzuraQuant™ Genotyping Mix (KYN3 and KYN7 genes, T/G and A/T respectively). Cycling conditions for this assay were 50 cycles of 95°C for 10 seconds and 56°C for 50 seconds. The results indicate high confidence and clear clustering of homozygous w/t, homozygous mutant and heterozygous.



AzuraQuant™ Genotyping Mix

Products	Pack Size	Catalog No.	Price
AzuraQuant™ Genotyping Mix HiRox	100 Reactions	AZ-3101	\$65
AzuraQuant™ Genotyping Mix HiRox	500 Reactions	AZ-3105	\$265
AzuraQuant™ Genotyping Mix HiRox	2,000 Reactions	AZ-3120	\$915
AzuraQuant™ Genotyping Mix LoRox	100 Reactions	AZ-3201	\$65
AzuraQuant™ Genotyping Mix LoRox	500 Reactions	AZ-3205	\$265
AzuraQuant™ Genotyping Mix LoRox	2,000 Reactions	AZ-3220	\$915
AzuraQuant™ Genotyping Mix NoRox	100 Reactions	AZ-3301	\$65
AzuraQuant™ Genotyping Mix NoRox	500 Reactions	AZ-3305	\$265
AzuraQuant™ Genotyping Mix NoRox	2,000 Reactions	AZ-3320	\$915