

BHQplus™ Probes

Fortified Probes with Duplex Stabilizers



- SNP Genotyping
- Species Discrimination
- Gene Expression Analysis
- Pathogen Detection

www.biosearchtech.com

www.bhqplusdesign.com

BHQplus probes are a new and advanced probe technology for qPCR that bring researchers many of the benefits of traditional MGB™ probes without their expense.

Shortened Probe—Enhanced Specificity

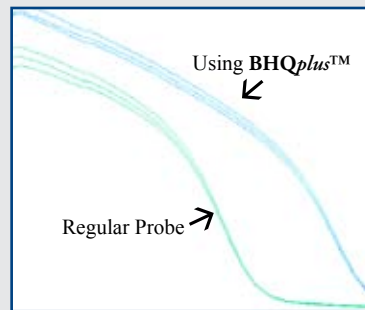
As with MGB probes, BHQplus™ probes form highly stable duplexes with DNA targets allowing shorter probes to be used for hybridization-based assays. Due to their shortened lengths, BHQplus probes achieve an enhanced target specificity making them ideal for SNP discrimination.

Multiplex with BHQ®, FAM, TET, CAL Fluor®, and Quasar® Dyes

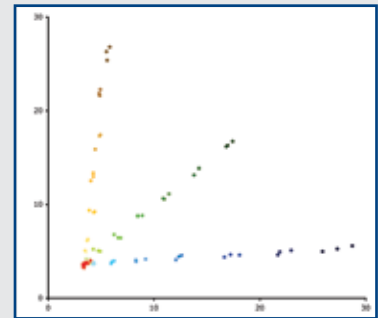
BHQplus probes combine the power of a short, high-fidelity probe with the proven quenching versatility of a non-fluorescent quencher, the Black Hole Quencher® (BHQ®) dye. When paired with a FAM, TET, CAL Fluor Orange 560, CAL Fluor Red 610, or Quasar 670 dye, these small and highly discriminatory dual labeled, fluorescence-quenched probes are suitable for SNP genotyping and allelic discrimination assays.

Powerful RealTimeDesign™ Software for BHQplus Design

Designing BHQplus SNP genotyping assays is easy and uncomplicated with our free, web-based, program—RealTimeDesign™ software. Input your DNA sequence or NCBI accession number and let RealTimeDesign software design your assays. Simply review RealTimeDesign's suggestions and when you're satisfied, place your order online. Visit www.bhqplusdesign.com to design your next probe-based SNP genotyping assay.



As temperature increases from left to right, this melting temperature graph indicates that BHQplus is more stable by withstanding an extra 10 degrees before denaturation.



Scatter plot of a BHQplus-SNP assay, resolving the respective genotypes.



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Advancing Nucleic Acid TechnologySM



Pricing for BHQ^{plus}™ Probes

Custom BHQ ^{plus} Probes				
Catalog #	Product Description	Synthesis Scale	Delivered Amount	Price
DLO-FBP-5	5' FAM BHQ ^{plus} Probe	50 nmol	10 nmol	\$255
DLO-FBP-2	"	200 nmol	20 nmol	\$350
DLO-FBP-1	"	1 µmol	60 nmol	\$600
DLO-TBP-5	5' TET BHQ ^{plus} Probe	50 nmol	10 nmol	\$255
DLO-TBP-2	"	200 nmol	20 nmol	\$350
DLO-TBP-1	"	1 µmol	60 nmol	\$600
DLO-CBP-5	5' CAL Fluor® Orange 560 BHQ ^{plus} Probe	50 nmol	10 nmol	\$255
DLO-CBP-2	"	200 nmol	20 nmol	\$350
DLO-CBP-1	"	1 µmol	60 nmol	\$600
DLO-RBP-5	5' CAL Fluor® Red 610 BHQ ^{plus} Probe	50 nmol	10 nmol	\$255
DLO-RBP-2	"	200 nmol	20 nmol	\$350
DLO-RBP-1	"	1 µmol	60 nmol	\$600
DLO-QBP-5	5' Quasar® 670 BHQ ^{plus} Probe	50 nmol	10 nmol	\$255
DLO-QBP-2	"	200 nmol	20 nmol	\$350
DLO-QBP-1	"	1 µmol	60 nmol	\$600

Fluorescent Calibration Dyes			
Catalog #	Product Description	Size	Price
RD-5025-5	6-FAM T10 Calibration Standard	5 nmol	\$95
RD-5081-5	CAL Fluor® Orange 560 T10 Calibration Standard	5 nmol	\$95
RD-5082-5	CAL Fluor Red 610 T10 Calibration Standard	5 nmol	\$95
RD-5065-5	Quasar® 670 T10 Calibration Standard	5 nmol	\$95

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