

客製化Oligo特輯

Custom Oligo

從短到長，從基礎到進階
IDT 客製化 Oligo 通通幫您搞定！

訂購
表單



- PCR primers
- TaqMan qPCR probes (多色螢光 & Quencher, Master Mix)
- Genotyping
- Gene Knockdown (DsiRNA、Anti-sense oligos)
- Gene Knockout & Knock-in (CRISPR system)

有實驗設計上的疑問？
別擔心，找 伯森 就對了！



查看更多修飾



常用修飾類型

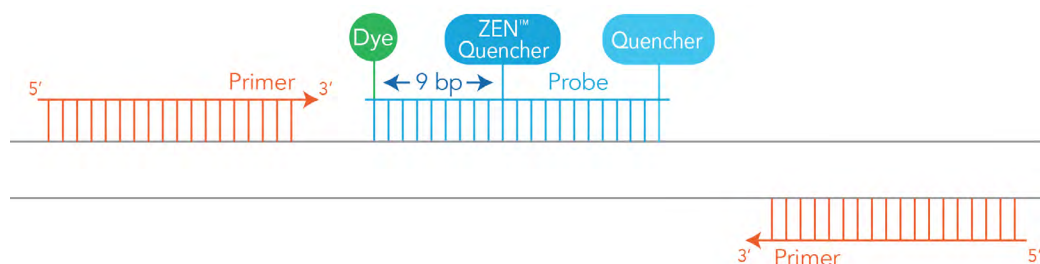
修飾類型	舉例	Function
Attachment and linkers		
Amino modifiers	/5AmMC6//iAmMC6T//3AmMO	NHS ester attachment
Biotinylation	/5Biosg//iBiodT//3BioTEG	Pull down by streptavidine
Thiol modifiers	/5ThioMC6-D/ /iDTPA//3ThioMC3-D)	Attachment
Alkynes	/5Hexynyl//i5OctdU//35OctdU	React with azide (Click reaction)
Modified bases		
Locked Nucleic Acids	+A+T+C+G	Increase nuclease resistance and T _m ; ASO
2'MOE	/i2MOErA// i2MOErC/ /i2MOErT/ /i2MOErG/	Increase nuclease resistance; ASO
2'O-Methyl RNA	mAmGmCmU	Increase nuclease resistance; ASO
2'Fluoro	/i2FA//i2FC//i2FG//i2FU	Increase nuclease resistance
Phosphorylation and phosphorothioate bonds		
Phosphorylation	/5Phos//3Phos/	DNA ligase substrate
Phosphorothioate	* (between bases)	ASO



Taqman qPCR probe & Master mix 系列

經由HPLC純化後的probe，品質穩定，無游離基團產生的背景

- PrimeTime™ qPCR Probes
- Affinity Plus™ qPCR Probes



常用Fluorophores & Quenchers

Fluorophore	Emission wavelength (nm)	Quencher
6-FAM*	520	ZEN/Iowa Black™ FQ
SUN™*	554	
JOE™*	555	
HEX*	555	
MAX™*	557	
Cy® 3	564	Iowa Black RQ ^{† ‡}
ATTO™ 550 [§]	575	
ROX	608	
Texas Red® -X	617	
ATTO 647N [§]	662	
Cy 5 [¥]	668	
Cy 5.5	706	Black Hole Quencher®-3 [¶]

* Probes with 6-FAM, SUN, JOE, MAX, or HEX fluorophores are also available as traditional, single-quenched probes with either Iowa Black FQ (license free) or Black Hole Quencher-1 (additional third-party licenses required for diagnostic use).

† Black Hole Quencher-2 (BHQ2) may also be used as a quencher (additional third-party licenses required for diagnostic use).

‡ Double-quenched probes available as a custom order.

§ ATTO-labeled probes available as a custom order.

¥ Cy 5 is also available as a singlequenched probe with BHQ2 (additional third-party licenses required for diagnostic use).

¶ Available as research use only.

PrimeTime™ Product List

Product	Input type	Scale
PrimeTime™ Gene Expression Master Mix	DNA (3 pg -100 ng)	1 mL 5 mL 25 mL
PrimeTime™ One-Step 4X Broad-Range Master Mix	DNA (2 pg -100ng) RNA (2 pg -100 ng)	
PrimeTime™ One-Step RT-qPCR Master Mix (RNA)	RNA (20 pg – 200 ng)	

