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IDT SciTools OligoAnalyzer 3.1

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Sequence 5'-	# Bases	Target Type DNA <input type="checkbox"/>	Analyze
		Oligo Conc 0.25 μ M	Hairpin
		Na⁺ Conc 50 mM	Self-Dimer
		Mg⁺⁺ Conc 0 mM	Hetero-Dimer
		dNTPs Conc 0 mM	NCBI Blast
			TM Mismatch
	-3'		

ISO 13485:2003 certified manufacturing for production of IVD and ASR oligonucleotides.

Results **5' mods** **Internal Mods** **3' mods** **Mixed Bases**

Standard Mixed Base Instructions

To use a Standard Mixed Base, simply type in the IUB symbol (from the table below) which represents the desired mix.

R	A,G
Y	C,T
M	A,C
K	G,T
	C,G

Custom Mixed Base Instructions

To use Customer Mixed Bases Enter the desired percentage of each base(Integers Only, Totalling 99% or 100%). Press 'Use Mix Base' button to add your custom mixed base.

Please note: There is an additional charge for hand mixing these custom bases.

%A %C %G %T Name (optional)

S

Use Mixed Base

W A,T

H A,C,T

B C,G,T

V A,C,G

D A,G,T

N A,C,G,T

Base Notations

DNA = A, C, G, T and U, I

Mixed Bases = Please enter bases in UPPERCASE

Phosphorothioated DNA = A*, G*, C*, T*

RNA = rA, rG, rC, rU

Phosphorothioated RNA = rA*, rG*, rC*, rU*

2'O-Methyl RNA = mA, mG, mC, mU

Phosphorothioated 2'O-Methyl RNA = mA*, mG*,
mC*, mU*

Locked Nucleic Acid (LNA) = +A, +G, +C, +T