

28-Jul-2023

Order No. **19610852**

Ref. No. **449888029**

Sequence - WNV probe 1186

250 nm PrimeTime® 5' 6-FAM™/ZEN™/3' IB®FQ, 22 bases

5'- /56-FAM/TGC CCG ACC /ZEN/ATG GGA GAA GCT C/3IABkFQ/ -3'

Properties

T_m (50mM NaCl)*: 63.7 °C
GC Content: 63.6%
Molecular Weight: 8,167.6
nmoles/OD260: 3.9
ug/OD260: 31.9
Ext. Coefficient: 256,148 L/(mole·cm)

Amount Of Oligo

17.4 = 67.9 = 0.55
OD₂₆₀ nmoles mg
For 100 µM: add 679 µL

Shipped To

LANDON WILLIAMS
COLORADO STATE UNIVERSITY ARC-BIO
2021 CAMPUS DELIVERY
FORT COLLINS, CO 80523
USA
6159728665
Customer No. 602475 PO No. 833092

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -2.42 at 25 °C
Strongest Folding *T_m*: 54.1 °C
Secondary structure should not affect yield or purity for this oligo.

Oligo Base Types

Oligo Base Types	Quantity
DNA bases	22

Modifications and Services

Modifications and Services	Quantity
HPLC Purification	1
3' Iowa Black® FQ	1
5' 6-FAM™	1
Int ZEN™	1

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Mfg. ID 402514001

449888029 IDT
L. WILLIAMS
402514001 28-Jul-2023
WNV probe 1186
5'-/56-FAM/TGC CCG ACC /ZEN/ATG GGA GAA
GCT C/3IABkFQ/-3'
MW = 8,167.6g/mol *T_m* = 63.7 °C
17.4 OD = 67.9 nmol = 0.55 mg

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17.4 OD = 67.9 nmol = 0.55 mg

I N S T R U C T I O N S

*Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

*Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

*The *T_m* shown takes no account of Mg²⁺ and dNTP concentrations. Use the OligoAnalyzer® Program at www.idtdna.com/scitools to calculate accurate *T_m* for your reaction conditions.

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