

28-Jul-2023

Order No. **19610852**

Ref. No. **449888028**

Sequence - WNV (R) 1209

100 nmole DNA Oligo, 21 bases

**5'- GGG TCA GCA CGT TTG TCA TTG -3'**

#### Properties

*T<sub>m</sub>* (50mM NaCl)\*: 56.9 °C  
GC Content: 52.4%  
Molecular Weight: 6,468.2  
nmoles/OD260: 5.1  
ug/OD260: 32.7  
Ext. Coefficient: 198,000 L/(mole·cm)

#### Amount Of Oligo

16.4 = 82.9 = 0.54  
OD<sub>260</sub> nmoles mg  
For 100 µM: add 829 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): 0.57 at 25 °C  
Strongest Folding *T<sub>m</sub>*: 16.4 °C

#### Oligo Base Types

DNA bases

Quantity

21

#### Modifications and Services

Standard Desalting


Quantity


1

#### Disclaimer

See on reverse page notes (I) (II) & (III) for usage, label license, and product warranties

Mfg. ID 589931728

**449888028**   
L. WILLIAMS  
589931728 28-Jul-2023  
**WNV (R) 1209**  
5'-GGG TCA GCA CGT TTG TCA TTG -3'  
MW = 6,468.2g/mol *T<sub>m</sub>* = 56.9 °C  
16.4 OD = 82.9 nmol = 0.54 mg

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## 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<sub>m</sub>* shown takes no account of Mg<sup>2+</sup> and dNTP concentrations. Use the OligoAnalyzer® Program at [www.idtdna.com/scitools](http://www.idtdna.com/scitools) to calculate accurate *T<sub>m</sub>* for your reaction conditions.

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