

11-Apr-2022

Order No. **18458213**

Ref. No. **402817972**

Sequence - 341F

100 nmole DNA Oligo, 50 bases

**5'- TCG TCG GCA GCG TCA GAT GTG TAT AAG AGA CAG CCT ACG GGN GGC WGC AG -3'**

#### Properties

*T<sub>m</sub>* (50mM NaCl)\*: 72.4 °C  
GC Content: 59.0%  
Molecular Weight: 15,541.3  
nmoles/OD260: 2.0  
ug/OD260: 31.7  
Ext. Coefficient: 491,000 L/(mole·cm)

#### Amount Of Oligo

28.7 = 58.4 = 0.91  
OD<sub>260</sub> nmoles mg  
For 100 µM: add 584 µL

#### Shipped To

HOLLIE PUTNAM  
UNIVERSITY OF RHODE ISLAND  
120 FLAGG RD  
KINGSTON, RI 02881-2015  
USA  
4018749510  
Customer No. 446457 PO No. Credit Card

#### Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -2.63 at 25 °C  
Strongest Folding *T<sub>m</sub>*: 36.8 °C

#### Oligo Base Types

DNA Bases

Quantity

50

#### 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 464842166

**402817972**   
H.PUTNAM  
464842166 11-Apr-2022  
**341F**  
5'-TCG TCG GCA GCG TCA GAT GTG TAT AAG  
AGA CAG CCT ACG GGN GGC WGC AG-3'  
MW = 15,541.3g/mol *T<sub>m</sub>* = 72.4 °C  
28.7 OD = 58.4nmol = 0.91mg

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28.7 OD = 58.4nmol = 0.91mg

## 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.

M

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