

02-Feb-2021

Order No.

Ref. No.

Sequence - 16S - 515F

100 nmole DNA Oligo, 52 bases

5'- TCG TCG GCA GCG TCA GAT GTG TAT AAG AGA CAG GTG CCA GCM GCC GCG GTA A -3'

#### Properties

*T<sub>m</sub>* (50mM NaCl)\*: 73.4 °C  
GC Content: 58.7%  
Molecular Weight: 16,131.5  
nmol/OD260: 2.0  
µg/OD260: 31.6  
Ext. Coefficient: 510,600 L/(mol·cm)

#### Amount Of Oligo

42.3 = 82.8 = 1.34  
OD<sub>260</sub> nmol mg  
For 100 µM: add 828 µL

#### Shipped To

HOLLIE PUTNAM  
UNIVERSITY OF RHODE ISLAND

#### Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -5.13 at 25 °C  
Strongest Folding *T<sub>m</sub>*: 40.2 °C

#### Oligo Base Types

DNA Bases Quantity  
52

#### 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 370755972

292784686 IDT  
H.PUTNAM  
370755972 02-Feb-2021  
16S - 515F  
5'-TCG TCG GCA GCG TCA GAT GTG TAT AAG  
AGA CAG GTG CCA GCM GCC GCG GTA A-3'  
MW = 16,131.5g/mol T<sub>m</sub> = 73.4°C  
42.3 OD = 82.8 nmol = 1.34 mg

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42.3 OD = 82.8 nmol = 1.34 mg

## INSTRUCTIONS

•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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