

02-Feb-2021

Order No. **17396196**

Ref. No. **292784686**

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_m (50mM NaCl)*: 73.4 °C
GC Content: 58.7%
Molecular Weight: 16,131.5
nmoles/OD260: 2.0
ug/OD260: 31.6
Ext. Coefficient: 510,600 L/(mole·cm)

Amount Of Oligo

42.3 = 82.8 = 1.34
OD₂₆₀ nmoles mg
For 100 µM: add 828 µL

Shipped To

HOLLIE PUTNAM
UNIVERSITY OF RHODE ISLAND
120 FLAGG RD
KINGSTON, RI 02881
USA
4018749510
Customer No. 446457 PO No. Holo Int
0006724

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -5.13 at 25 °C
Strongest Folding *T_m*: 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

 <p>292784686 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 <i>T_m</i> = 73.4 °C 42.3 OD = 82.8 nmol = 1.34 mg</p>	 <p>292784686 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 <i>T_m</i> = 73.4 °C 42.3 OD = 82.8 nmol = 1.34 mg</p>
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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_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.

M

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