

02-Jan-2024

Order No. **19969402**

Ref. No. **467091589**

Sequence - S24Blue_top

25 nmole DNA Oligo, 60 bases

5'- CGA CTT CTT TTA ATG TTT TTT TAA CCA GCT ATT TAA GAT TAT AAC AGC GCG GTA AAG TGT -3'

Properties

T_m (50mM NaCl)*: 64.6 °C
GC Content: 31.7%

Molecular Weight: 18,458
nmoles/OD260: 1.7
ug/OD260: 31.8

Ext. Coefficient: 580,900 L/(mole·cm)

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -1.06 at 25 °C
Strongest Folding *T_m*: 32.6 °C

Amount Of Oligo

100µM in 169µL IDTE Buffer pH 8.0

Shipped To

REBECCA VANCE
DAVIDSON COLLEGE
209 RIDGE RD
DAVIDSON, NC 28035-0407
USA
7048942731

Customer No. 387480 PO No. BIO 113 and BIO 202 Spring 2024

Oligo Base Types

	Quantity
DNA bases	60

Modifications and Services

	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

Disclaimer

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Mfg. ID 403604264

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02-Jan-2024

Order No. **19969402**

Ref. No. **467091590**

Sequence - S24Blue_bot

25 nmole DNA Oligo, 60 bases

5'- CCG CAC ACT TTA CCG CGC TGT TAT AAT CTT AAA TAG CTG GTT AAA AAA ACA TTA AAA GAA -3'

Properties

T_m (50mM NaCl)*: 65.5 °C
 GC Content: 33.3%
 Molecular Weight: 18,426.1
 nmoles/OD260: 1.7
 ug/OD260: 30.8
 Ext. Coefficient: 599,000 L/(mole·cm)

Amount Of Oligo

100µM in 209µL IDTE Buffer pH 8.0

Shipped To

REBECCA VANCE
 DAVIDSON COLLEGE
 209 RIDGE RD
 DAVIDSON, NC 28035-0407
 USA
 7048942731
 Customer No. 387480 PO No. BIO 113 and BIO
 202 Spring 2024

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -2.86 at 25 °C
 Strongest Folding T_m: 41.1 °C

Oligo Base Types

Oligo Base Types	Quantity
DNA bases	60

Modifications and Services

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

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Mfg. ID 403604263

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02-Jan-2024

Order No. **19969402**

Ref. No. **467091591**

Sequence - S24Green_top

25 nmole DNA Oligo, 59 bases

5'- CGA CAG GGA AGA AAG TGG CTA TTT TAG GTC CCA TTT CCC TTT TGT TTG AGC CGA GAT AA -3'

Properties

T_m (50mM NaCl)*: 68.6 °C
 GC Content: 44.1%
 Molecular Weight: 18,230.8
 nmoles/OD260: 1.7
 µg/OD260: 31.8
 Ext. Coefficient: 572,700 L/(mole·cm)

Amount Of Oligo

100µM in 239µL IDTE Buffer pH 8.0

Shipped To

REBECCA VANCE
 DAVIDSON COLLEGE
 209 RIDGE RD
 DAVIDSON, NC 28035-0407
 USA
 7048942731
 Customer No. 387480 PO No. BIO 113 and BIO
 202 Spring 2024

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -2.18 at 25 °C
 Strongest Folding *T_m*: 43.6 °C

Oligo Base Types

Oligo Base Types	Quantity
DNA bases	59

Modifications and Services

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

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Mfg. ID 403604262

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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/scitoolsto calculate accurate *T_m* for your reaction conditions.

02-Jan-2024

Order No. **19969402**

Ref. No. **467091592**

Sequence - S24Green_bot

25 nmole DNA Oligo, 59 bases

5'- CCG CTT ATC TCG GCT CAA ACA AAA GGG AAA TGG GAC CTA AAA TAG CCA CTT TCT TCC CT -3'

Properties

Amount Of Oligo

Shipped To

T_m (50mM NaCl)*: 69.4 °C
GC Content: 45.8%

100µM in 205µL IDTE Buffer pH 8.0

REBECCA VANCE
DAVIDSON COLLEGE
209 RIDGE RD
DAVIDSON, NC 28035-0407
USA
7048942731

Molecular Weight: 18,042.8
nmoles/OD260: 1.8
ug/OD260: 32.2

Ext. Coefficient: 559,900 L/(mole·cm)

Customer No. 387480 PO No. BIO 113 and BIO
202 Spring 2024

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -2.66 at 25 °C
Strongest Folding T_m: 38.7 °C

Oligo Base Types

Quantity

DNA bases 59

Modifications and Services

Quantity

LabReady (Normalized to 100µM in IDTE pH 8.0) 1

Standard Desalting 1

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Mfg. ID 403604261

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02-Jan-2024

Order No. **19969402**

Ref. No. **467091593**

Sequence - S24Red_top

25 nmole DNA Oligo, 60 bases

5'- CGA CAA ATT ATG TCA ATT AAT CTT AAT TAA AAA GCC TCT ATT AAA TAT AAT TTT AAT AAG -3'

Properties

T_m (50mM NaCl)*: 59.1 °C
 GC Content: 18.3%
 Molecular Weight: 18,428.1
 nmoles/OD260: 1.6
 ug/OD260: 29.9
 Ext. Coefficient: 616,100 L/(mole·cm)

Amount Of Oligo

100µM in 221µL IDTE Buffer pH 8.0

Shipped To

REBECCA VANCE
 DAVIDSON COLLEGE
 209 RIDGE RD
 DAVIDSON, NC 28035-0407
 USA
 7048942731
 Customer No. 387480 PO No. BIO 113 and BIO
 202 Spring 2024

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -5.23 at 25 °C
 Strongest Folding T_m: 38.9 °C

Oligo Base Types

DNA bases Quantity
 60

Modifications and Services

LabReady (Normalized to 100µM in IDTE pH 8.0) Quantity
 1
 Standard Desalting 1

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Mfg. ID 403604260

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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/scitoolsto calculate accurate T_m for your reaction conditions.

02-Jan-2024

Order No. **19969402**

Ref. No. **467091594**

Sequence - S24Red_bot

25 nmole DNA Oligo, 60 bases

5'- CCG CCT TAT TAA AAT TAT ATT TAA TAG AGG CTT TTT AAT TAA GAT TAA TTG ACA TAA TTT -3'

Properties

T_m (50mM NaCl)*: 60.3 °C
 GC Content: 20.0%
 Molecular Weight: 18,448.1
 nmoles/OD260: 1.7
 ug/OD260: 30.7
 Ext. Coefficient: 600,500 L/(mole·cm)

Amount Of Oligo

100µM in 215µL IDTE Buffer pH 8.0

Shipped To

REBECCA VANCE
 DAVIDSON COLLEGE
 209 RIDGE RD
 DAVIDSON, NC 28035-0407
 USA
 7048942731
 Customer No. 387480 PO No. BIO 113 and BIO
 202 Spring 2024

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -6.26 at 25 °C
 Strongest Folding T_m: 39.8 °C

Oligo Base Types

Oligo Base Types	Quantity
DNA bases	60

Modifications and Services

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

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Mfg. ID 403604259

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02-Jan-2024

Order No. **19969402**

Ref. No. **467091595**

Sequence - S24Yellow_top

25 nmole DNA Oligo, 60 bases

5'- CGA CTG TTA AAC CTG GCT GTA TAA TGC TTG TAT AGA CAA GGC GCG GTA TCT ACG TAA ACA -3'

Properties

T_m (50mM NaCl)*: 67.9 °C
 GC Content: 43.3%
 Molecular Weight: 18,522.1
 nmoles/OD260: 1.7
 ug/OD260: 31.4
 Ext. Coefficient: 590,800 L/(mole·cm)

Amount Of Oligo

100µM in 260µL IDTE Buffer pH 8.0

Shipped To

REBECCA VANCE
 DAVIDSON COLLEGE
 209 RIDGE RD
 DAVIDSON, NC 28035-0407
 USA
 7048942731
 Customer No. 387480 PO No. BIO 113 and BIO
 202 Spring 2024

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -3.48 at 25 °C
 Strongest Folding T_m: 41.1 °C

Oligo Base Types

Oligo Base Types	Quantity
DNA bases	60

Modifications and Services

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

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Mfg. ID 403604258

Labels - Peel here



02-Jan-2024

Order No. **19969402**

Ref. No. **467091596**

Sequence - S24Yellow_bot

25 nmole DNA Oligo, 60 bases

5'- CCG CTG TTT ACG TAG ATA CCG CGC CTT GTC TAT ACA AGC ATT ATA CAG CCA GGT TTA ACA -3'

Properties

T_m (50mM NaCl)*: 68.6 °C
 GC Content: 45.0%
 Molecular Weight: 18,368.9
 nmoles/OD260: 1.7
 ug/OD260: 32.0
 Ext. Coefficient: 574,600 L/(mole·cm)

Amount Of Oligo

100µM in 219µL IDTE Buffer pH 8.0

Shipped To

REBECCA VANCE
 DAVIDSON COLLEGE
 209 RIDGE RD
 DAVIDSON, NC 28035-0407
 USA
 7048942731
 Customer No. 387480 PO No. BIO 113 and BIO
 202 Spring 2024

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -3.67 at 25 °C
 Strongest Folding *T_m*: 42.1 °C

Oligo Base Types

Oligo Base Types	Quantity
DNA bases	60

Modifications and Services

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

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Mfg. ID 403604257

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