

Dharmacon™ SMARTvector™ lentiviral shRNA and shMIMIC microRNA controls

Requirements

25 µL × 2 (50 µL total) of 1×10^8 TU/mL or greater

Itemized list of contents

Lentiviral Particles (net quantity 0.025 mL per vial)

Dry Ice (net quantity 15 kg)

A. SMARTvector con-targeting (NTC) negative controls expressing TurboGFP

Cat #	Item description	Lot number_Titer*	Volume	Qty
S-005000-01	hCMV-TurboGFP-NTC	V21021201_4.89 × 10 ⁸ TU/mL V21092403_6.55 × 10 ⁸ TU/mL	25 µL	2
S01-005000-01	mCMV-TurboGFP-NTC	V20070204_2.70 × 10 ⁸ TU/mL V21092403_5.69 × 10 ⁸ TU/mL V22050603_1.46 × 10 ⁸ TU/mL	25 µL	2
S02-005000-01	hEF1α-TurboGFP-NTC	V21010806_2.19 × 10 ⁸ TU/mL V21100105_1.61 × 10 ⁸ TU/mL V22050603_1.20 × 10 ⁸ TU/mL V22061703_1.30 × 10 ⁸ TU/mL	25 µL	2
S03-005000-01	mEF1α-TurboGFP-NTC	V21050705_3.02 × 10 ⁸ TU/mL V22042902_2.45 × 10 ⁸ TU/mL	25 µL	2

B. SMARTvector non-targeting (NTC) negative controls expressing TurboRFP

Cat #	Item description	Lot number_Titer*	Volume	Qty
S07-005000-01	hCMV-TurboRFP-NTC	V21062503_4.95 × 10 ⁸ TU/mL V22033104_2.25 × 10 ⁸ TU/mL	25 µL	2
S08-005000-01	mCMV-TurboRFP-NTC	V20050802_1.15 × 10 ⁸ TU/mL V22021706_1.38 × 10 ⁸ TU/mL	25 µL	2
S09-005000-01	hEF1α-TurboRFP-NTC	V21050705_3.06 × 10 ⁸ TU/mL V21090305_1.46 × 10 ⁸ TU/mL V22021102_2.13 × 10 ⁸ TU/mL	25 µL	2
S10-005000-01	mEF1α-TurboRFP-NTC	V19051002_2.50 × 10 ⁸ TU/mL V21052002_3.45 × 10 ⁸ TU/mL	25 µL	2

C. SMARTvector non-targeting controls without fluorescent reporter

Cat #	Item description	Lot number_Titer*	Volume	Qty
VSC7078	hCMV-No Reporter-NTC	V21082004_4.55 × 10 ⁸ TU/mL V21102905_1.33 × 10 ⁸ TU/mL	25 µL	2
VSC7079	mCMV-No Reporter-NTC	V21060301_1.07 × 10 ⁸ TU/mL	25 µL	2
VSC7080	hEF1α-No Reporter-NTC	V21070904_2.35 × 10 ⁸ TU/mL V21082004_2.34 × 10 ⁸ TU/mL V21100703_1.76 × 10 ⁸ TU/mL	25 µL	2
VSC7081	mEF1α-No Reporter-NTC	V19012404_1.01 × 10 ⁸ TU/mL	25 µL	2
VSC7084	PGK-No Reporter-NTC	V17011205_8.15 × 10 ⁸ TU/mL	25 µL	2

D. SMARTvector human GAPD shRNA and shMIMIC microRNA control particles with TurboGFP

Cat #	Item description	Lot number_Titer*	Volume	Qty
S-001000-01	hCMV-TurboGFP-hGAPD	V20052102_1.39 × 10 ⁸ TU/mL V21090305_7.26 × 10 ⁸ TU/mL V21100106_8.21 × 10 ⁸ TU/mL	25 µL	2
S01-001000-01	mCMV-TurboGFP-hGAPD	V18051004_2.19 × 10 ⁸ TU/mL	25 µL	2
S02-001000-01	hEF1α-TurboGFP-hGAPD	V21011404_2.26 × 10 ⁸ TU/mL	25 µL	2
S03-001000-01	mEF1α-TurboGFP-hGAPD	V16071404_1.45 × 10 ⁸ TU/mL	25 µL	2

E. Additional SMARTvector control particles with human CMV and TurboGFP

Cat #	Item description	Lot number_Titer*	Volume	Qty
S-004000-01	hCMV-tGFP (empty vector)	V20042304_1.05 × 10 ⁹ TU/mL V20050803_7.85 × 10 ⁸ TU/mL V21091706_7.79 × 10 ⁸ TU/mL V22060204_1.23 × 10 ⁸ TU/mL	25 µL	2
S-006000-01	hCMV-TurboGFP-fLuc	V22041407_1.93 × 10 ⁸ TU/mL	25 µL	2
S-007000-01	hCMV-TurboGFP-hPPIB	V18091403_2.91 × 10 ⁸ TU/mL V20040303_4.40 × 10 ⁸ TU/mL V22060204_1.23 × 10 ⁸ TU/mL	25 µL	2
S-008000-01	hCMV-TurboGFP-mPPIB	V12051101_3.96 × 10 ⁸ TU/mL	25 µL	2
S-009000-01	hCMV-TurboGFP-rPPIB	V12051101_6.16 × 10 ⁸ TU/mL	25 µL	2

Shipping and storage

Store at -80°C . SMARTvector Lentiviral shRNA and shMIMIC microRNA Controls are shipped on dry ice and should be stored in a -80°C freezer upon arrival. SMARTvector lentiviral particles will remain stable for at least one year without any appreciable loss in titer. When ready to use, thaw the viral particles on ice. The viral titers indicated above for each sample are determined from an aliquot that has been through one freeze-thaw. The vials in this package have not been thawed; therefore, the indicated titers are accurate for the first thaw. However, every subsequent freeze-thaw may result in a decrease in titer of two- to five-fold. Any viral particles remaining after the first thaw can be aliquoted into smaller volumes and stored at -80°C .

Classification of SMARTvector lentiviral shRNA controls

SMARTvector viral particles are not capable of causing permanent disability, life-threatening or fatal disease in otherwise healthy humans or animals, and therefore are not classified as infectious substances under IATA and DOT guidelines.

Description of goods

Replication-incompetent, viral-like particles of human, mouse and/or rat origin; intended use is for research purposes only.

Proper packaging and labeling of shipments will be utilized to ensure safe and timely transit of SMARTvector products.

For more information

To find the contact information in your country for your technology of interest, please visit us at horizondiscovery.com/contact-us

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