



pBS-NC4.5

87770™

Description

Organism: Tomato spotted wilt virus
Clone type: Clone
Host: *Escherichia coli* DH5alpha
Deposited As: Tomato spotted wilt tospovirus

Storage Conditions

Product format: Freeze-dried

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Insert Information

Insert size (kb): 1.5

Type of DNA: cDNA

Insert source: tomato spotted wilt virus

Insert strain: Hawaiian L isolate

Insert tissue: tomato spotted wilt virus

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Disease: tomato spotted wilt virus

Insert 5' end: PstI

Insert 3' end: PstI

Cross references:

Disease: tomato spotted wilt virus

Genome: tomato spotted wilt tospovirus

Gene product: [TSWV N]

Gene symbol: TSWV N

Vector Information

Construct size (kb): 4.5

Intact vector size: 2.964

Vector name: pBluescript KS+

Type of vector: phagemid

Construction: pUC19

Host range: *Escherichia coli*

Vector end: PstI

Cloning sites: SacII; XmaI; NotI; XbaI; SpeI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII;

Clal; Sall HincII Accl; XhoI; DraII; ApaI; KpnI

Enhancer: none

Insert detection: lacZ'

Markers: ampR

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Polylinker sites: SEE COMMENTS

Promoters: lac; T3; T7

Replicon: pMB1; f1

Terminator: none

Growth Conditions

Medium:

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): PstI--3.0, 1.5; PstI/PvuII--2.5, 0.8, 0.7, 0.3, 0.2; EcoRI--3.3, 1.2; BamHI--4.5.

- ATCC staff

The 1.5 kb insert contains the cauliflower mosaic virus 35S RNA promoter and the nopaline synthase terminator. A PstI/PvuII digest yields an approximately 800 bp band containing the N gene ORF.

- Plant Dis. 78: 615-621, 1994

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pBS-NC4.5 (ATCC 87770)

References

References and other information relating to this material are available at

www.atcc.org.

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