



KSU-1

87439™

Description

This is a genomic DNA library of *Cryptosporidium parvum* in the pBluescript II SK+ vector and distributed in host *Escherichia coli* XL1-Blue.

Organism: *Cryptosporidium parvum* Tyzzer

Clone type: Library

Host: *Escherichia coli* XL1-Blue

Volume: 0.4 mL

Storage Conditions

Product format: Frozen

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): 0.2-5.0 Kb

Type of DNA: genomic

Vector Information

Intact vector size: 2.961

Vector name: pBluescript II SK+

Type of vector: phagemid

Host range: *Escherichia coli*

Vector end: EcoRI

Cloning sites: BssHII; KpnI; ApaI; DralI; XhoI; HincII; Accl; Sall; ClaI; HindIII; EcoRI; PstI;

Smal; BamHI; XbaI; NotI; EagI; SacI

Coverage: Clones for "complete" coverage: 15000.0

Insert detection: lacZ'

Markers: ampR

Polylinker sites: BssHII; KpnI; ApaI; DralI; XhoI; HincII; Accl; Sall; ClaI; HindIII; EcoRI; PstI;

Smal; BamHI; XbaI; NotI; EagI; SacI

Replicon: pMB1; f1

Digest: Complete

Growth Conditions

Medium:

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

Temperature: 37°C

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Notes

The KSU-1 isolate of cryptosporidium parvum was isolated from the feces of naturally infected calf (*Bos taurus*) in 1987. The isolate was passaged 6-10 times per year by oral inoculation of goats, mice and/or calves prior to library construction in 1992. Approximately 1% of the recombinants in this library contain two ligated EcoRI inserts.

- personal communication

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: KSU-1 (ATCC 87439)

References

References and other information relating to this material are available at www.atcc.org.

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