



6143 North 60th Street  
Milwaukee, WI 53218  
[www.chimerx.com](http://www.chimerx.com)

## Certificate of Analysis

Telephone: (414) 535-9506  
Toll Free: (800) 626-7833  
Fax: (414) 535-9508  
Web Support: [chimerx.com/support](http://chimerx.com/support)  
Email: [info@chimerx.com](mailto:info@chimerx.com)

### HeLa Extract

Catalog No: 6030

**Lot No:** See Product Label

**Package Size:** See Product Label

**Concentration:** See Product Label

**Storage Conditions:** Store at  $-80^{\circ}\text{C}$ .

Once thawed, aliquots of HeLa Extract that are not used should be discarded. Freeze-thaw cycles will result in diminished performance of the extract.

#### Function Definition

HeLa Extract is required to show SV40 DNA replication in the presence of  $1\mu\text{g}$  SV40 Lg T Antigen *in vitro* (1).

#### Storage Buffer

20 mM HEPES (pH 7.5)

50 mM NaCl

1 mM DTT

0.1 mM EDTA

10% glycerol

#### Assay Conditions

According to the method of Li and Kelly as provided in SV40 DNA Replication Assay Kit #8050 (1), (2), (3)

#### Quality Control

10  $\mu\text{l}$  HeLa Extract with  $1\mu\text{g}$  SV 40 Large T Antigen resulted in synthesis of  $\geq 75$  pmoles of DNA in 4 hours.

#### References

(1) SV40 DNA Replication Assay Kit Chimerx #8050, Instruction Manual, version 1.6 (2) Li, Joachim J. and Kelly, Thomas J. (1985) *Mol Cell Biol*, 5, 1238-1246 (3) Stillman, B.W., and Gluzman, Y. (1985) *Mol Cell Biol*, 5, 2051-2060

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