# Endonuclease Activity (Nicking)
A 50 µl reaction in CutSmart™ Buffer containing 1 µg of supercoiled pBR322 DNA and a minimum of 30 Units of AleI incubated for 4 hours at 37°C results in <10% conversion to the nicked form as determined by agarose gel electrophoresis.

* **Lot #**: 0101709
* **Assay Date**: 09/2017
* **Expiration Date**: 9/2019
* **Storage Temp**: -80°C
* **Storage Conditions**: 10 mM Tris-HCl, 200 mM NaCl, 1 mM DTT, 0.1 mM EDTA, 200 µg/ml BSA, 50 % Glycerol, (pH 7.4 @ 25°C)

**Specification Version**: PS-R0634S/L v4.0
**Effective Date**: 15 Feb 2017

**Authentication**
- **Authorized by**: Derek Robinson
  - 15 Feb 2017
- **Inspected by**: Kerri Sakowski
  - 08 Sep 2017