

# BstXI Restriction Digestion Protocol

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## 1 Procedure Purpose

## 2 Safety Information

1. **SYBR Gold** has no data available addressing the mutagenicity or toxicity of SYBR® Gold nucleic acid gel stain. Because this reagent binds to nucleic acids, it should be treated as a potential mutagen and handled with appropriate care. The DMSO stock solution should be handled with particular caution as DMSO is known to facilitate the entry of organic molecules into tissues.[1]

## 3 Materials

- AD Template

## 4 Dilutions

1. Dilute the AD template such that its final concentration in the PCR reaction will be 1ng/ $\mu$ L.

## 5 Procedure

1. Mix the following reagents in either a PCR tube or a 96-well plate such that the final concentrations match the following:

## 6 Analysis

## References

- [1] Invitrogen, "SYBR® Gold Nucleic Acid Gel Stain — 2 Working with the SYBR® Gold Gel Stain,"