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## Restriction Enzyme Digestion (Protocol for NEB CutSmart® Buffer)

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**Protocol status:** Working

**We use this protocol and it's working**

**Created:** September 22, 2019

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### Abstract

This protocol is used to check if the two selected restriction enzymes can perform effective catalysis in the same solution.

## Materials

### MATERIALS

 CutSmart Buffer - 5.0 ml **New England Biolabs Catalog #B7204S**

- 1 Mix DNA solution with the suitable amount of the master mix. Reaction system for a total volume of 25 $\mu$ L:

DNA solution	20 $\mu$ L
10x NEB CutSmart® Buffer	2.75 $\mu$ L
Restriction enzyme	1.0 $\mu$ L
ddH <sub>2</sub> O	1.25 $\mu$ L
Total Volume	25 $\mu$ L

- 2 Mix gently in the eppendorf tube.
- 3 Incubate at 37°C for 20 minutes.