**Lambda Exonuclease and Reaction Buffer**

**Part Number:** MI-5003,  
**Lambda Exonuclease (10 U/µl):** 60 µL provided  
**Reaction Buffer (10x):** 150 µL provided

**Storage**  
Store Lambda Exonuclease and Reaction Buffer at -20°C.

**Description**  
InDevR’s Lambda Exonuclease and accompanying 10x Reaction Buffer are used for the generation of single stranded DNA through selective digestion of a 5’-phosphorylated strand of double-stranded DNA.

**Recommended Protocol**

1. Digest dsDNA at 37°C for 15 minutes  
   - Final enzyme concentration of 0.4U/µL  
   - Final Reaction Buffer concentration of 1x  
2. Add an equal volume of 2x Hybridization Buffer (MI-5004) to quench the reaction.  
3. Proceed immediately to hybridization.

**Related Products**

- 2x Hybridization Buffer (MI-5004)  
- Wash Buffers A, B, C, and D (MI-5005A, B, C, D)  
- Microarray Wells (MI-4006)  
- Humidity Chamber (MI-4001)  
- Wash Rack (MI-4003) and Wash Bin (MI-4002)

To order, visit www.indevr.com

---

**Operation of Lambda Exonuclease**

1) dsDNA with 5’ Phosphate incorporation

2) Lambda exonuclease digests the phosphorylated strand

3) Single-stranded target remains intact for downstream applications

---

Copyright 2012, InDevR Inc. All rights reserved.  
For Laboratory Research Use Only. Not intended for any animal or human therapeutic or diagnostic use.

Revision 10A, 5/2012