

## New England Biolabs Certificate of Analysis

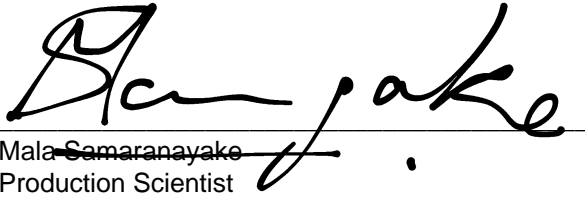
Product Name: *EpiMark<sup>®</sup> Bisulfite Conversion Kit*  
 Catalog Number: *E3318S*  
 Packaging Lot Number: *10147636*  
 Expiration Date: *04/2023*  
 Storage Temperature: *25°C*  
 Specification Version: *PS-E3318S v1.0*

| EpiMark <sup>®</sup> Bisulfite Conversion Kit Component List |                                    |            |                      |
|--|------------------------------------|------------|----------------------|
| NEB Part Number  | Component Description              | Lot Number | Individual QC Result |
| B1031AVIAL   | Elution Buffer                     | 10146736   | Pass                 |
| B1030AVIAL   | Wash Buffer                        | 10146735   | Pass                 |
| B1029AVIAL   | Binding Buffer                     | 10146734   | Pass                 |
| B1028AVIAL   | Desulfonation Buffer (concentrate) | 10146733   | Pass                 |
| B1027AVIAL   | Solubilization Buffer              | 10146732   | Pass                 |
| B1026AVIAL   | Sodium metabisulfite               | 10146731   | Pass                 |

| Assay Name/Specification  | Lot # 10147636 |
|---|----------------|
| <b>Functional Testing (EpiMark<sup>®</sup> Bisulfite Conversion Kit)</b><br>HeLa DNA was converted and purified using the Epimark <sup>®</sup> Bisulfite Conversion Kit as described in the manual. The bisulfite-converted DNA was confirmed by PCR with bisulfite specific primers resulting in both 320 bp and 227 bp products. The efficiency of bisulfite conversion is >99% as determined by cloning and sequencing of both PCR products. | Pass           |
| <b>* Individual Product Component Note</b><br>Standard Quality Control Tests are performed for each component included in EpiMark <sup>®</sup> Bisulfite Conversion Kit and meet the designated specifications.   | Pass           |

This product has been tested and shown to be in compliance with all specifications.

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11 May 2022



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11 May 2022