**EZ DNA Methylation-Startup™ Kit**

**Complete Bisulfite Conversion of DNA for PCR and Methylation Analysis**

- Designed for the first time user requiring a consolidated product to perform DNA methylation analysis.

- A complete system for DNA methylation detection: DNA bisulfite treatment, robust hot start PCR, and a universally methylated human control with primers.

- Ideal for system setup and calibration for DNA methylation detection and analysis.

### Application

Workflow design allows direct sample input for bisulfite treatment of DNA followed by robust PCR amplification of the "converted" DNA for methylation analysis.

### Components

The EZ DNA Methylation-Startup™ Kit is a two component kit: one is the EZ DNA Methylation-Direct™ Kit (D5020) and the other the Universal Methylated Human Standard (D5011) and 2X ZymoTaq™ PreMix (E2003).

### DNA Recovery

Typical yields of "bisulfite-converted" DNA are between 80-90%.

### Elution

DNA can be eluted with ≥ 10 μl M-Elution Buffer or water.

### Diagrammed Workflow of the EZ DNA Methylation-Startup™ Kit

1. **Sample Input**
   - Purified DNA
   - Tissues (Cell, Blood, Tissue (FFPE))

2. **Bisulfite Conversion**

3. **Desulphonation & Elution of “Converted” DNA**
   - Zymo-Spin™ IC

4. **PCR**

5. **Analysis**

- User Provided Sample and/or Universal Methylated Human DNA Standard
- EZ DNA Methylation-Direct™ Kit
- ZymoTaq™ w/ User Provided Primers and/or Control Primers (hMLH1)

### Ordering Information

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<tr>
<th>Product</th>
<th>Description</th>
<th>Cat. No.</th>
<th>Size</th>
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<tbody>
<tr>
<td>EZ DNA Methylation-Startup™ Kit</td>
<td>Complete system for DNA methylation detection for the first time user.</td>
<td>D5024</td>
<td>50 Rxns.</td>
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