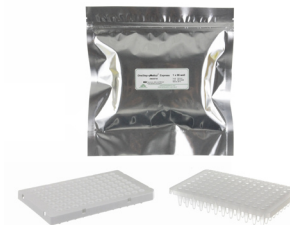


# ONESTEP qMETHYL™ ARRAYS

## REAL-TIME, GENE SPECIFIC METHYLATION DETECTION

- ✓ Premade 96-well assays for rapid high-throughput screening of methylation status.
- ✓ Straightforward bisulfite-free procedure – Just add your DNA and go!  
No primer design, no overnight digestions, no reaction cleanup.

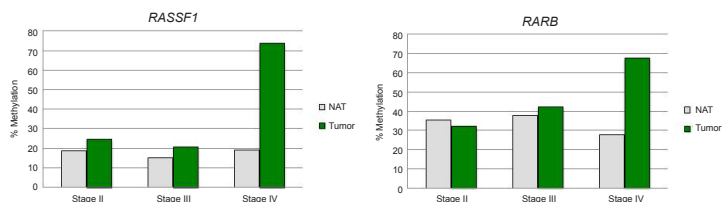


### Description

The *OneStep* qMethyl™ Arrays are pre-designed assays that combine methylation sensitive restriction enzyme digestion and real-time quantitative PCR into one step. The *OneStep* qMethyl™ Arrays come in a real-time PCR plate that contains the necessary reagents and primers already aliquoted into the wells. It's as easy as adding DNA into the wells and then performing real-time PCR. Single gene arrays are available for the human tumor suppressor genes: *RASSF1*, *RARB*, *CDKN2A(p16)*, *MGMT*, and *CCND2*.

### Specifications

Format: 96-well plates compatible with Roche® LightCycler 480, Bio-Rad CFX96™, and Applied Biosystems™ 7500/7900 real-time thermocyclers  
Detection Dye: SYTO 9®  
DNA Input: 20 ng total in 5 µl  
Processing Time: ~4 hours

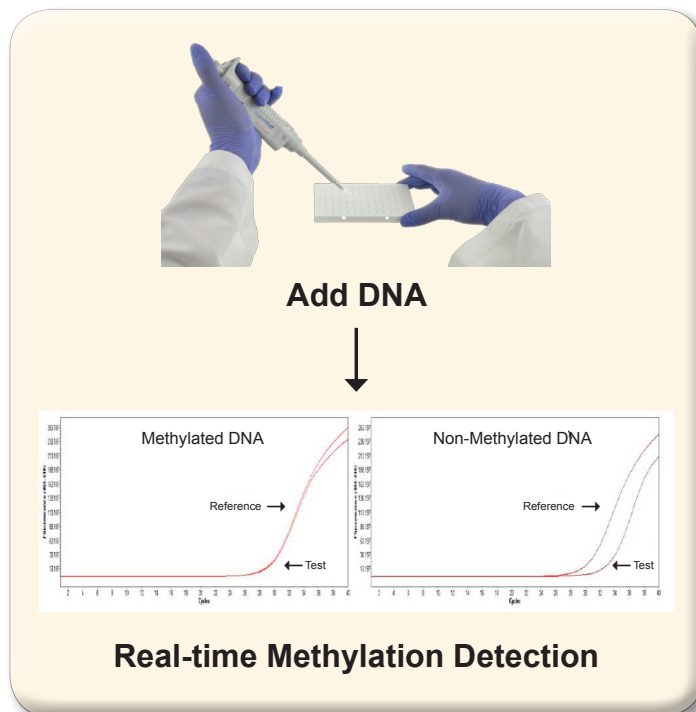


**OneStep qMethyl™ Array analysis of methylation in *RASSF1* and *RARB* promoter regions at various stages of breast cancer.** DNA was extracted (ZR Genomic DNA™-Tissue MiniPrep) from breast cancer tissue collected at various stages of cancer progression. Methylation percentages were calculated according to the *OneStep* qMethyl™ protocol. Green bars indicate tumor samples and grey bars indicate normal adjacent tumor (NAT) samples.

| Product  | Cat. No.  | Kit Size    |
|--|-----------|-------------|
| <i>OneStep</i> qMethyl™ Array – <i>RASSF1</i>  | D5312-1-A | 1 x 96 well |
|  | D5312-1-B |             |
|  | D5312-1-C |             |
| <i>OneStep</i> qMethyl™ Array – <i>RARB</i>  | D5312-2-A | 1 x 96 well |
|  | D5312-2-B |             |
|  | D5312-2-C |             |
| <i>OneStep</i> qMethyl™ Array – <i>CDKN2A</i>  | D5312-3-A | 1 x 96 well |
|  | D5312-3-B |             |
|  | D5312-3-C |             |
| <i>OneStep</i> qMethyl™ Array – <i>MGMT</i>  | D5312-4-A | 1 x 96 well |
|  | D5312-4-B |             |
|  | D5312-4-C |             |
| <i>OneStep</i> qMethyl™ Array – <i>CCND2</i>   | D5312-5-A | 1 x 96 well |
|  | D5312-5-B |             |
|  | D5312-5-C |             |
| <i>OneStep</i> qMethyl™ Array Custom<br>For a custom designed plate of these five genes, please contact <a href="mailto:services@zymoresearch.com">services@zymoresearch.com</a> | Inquire   | 1 x 96 well |

D5312-X-A, D5312-X-B, and D5312-X-C is compatible with Roche® LightCycler 480 Plate Format, Bio-Rad CFX96™ Plate Format, and Applied Biosystems™ 7500 or 7900 Plate Format respectively.

### OneStep qMethyl™ Array Procedure



To design your own *OneStep* qMethyl™ Array for a DNA sequence (region) of your choosing, please contact [services@zymoresearch.com](mailto:services@zymoresearch.com)

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