

# Ion 16S™ Metagenomics Kit

Catalog Number A26216

Pub. No. MAN0010801 Rev. A.0

Component	Part no. <sup>[1]</sup>	Cap color	Quantity	Volume	Storage conditions
2X Environmental Master Mix	4401975	Orange	2 tubes	0.8 mL per tube	Shipped at -20°C.
DNA Dilution Buffer	4405587	Clear	1 bottle	7.0 mL	After first use, store at 2-8°C if used frequently, otherwise store at -20°C.  Protect the 2X Environmental Master Mix from light.
16S Primer Set V2-4-8 (10X)	100026495	Green	1 tube	300 µL	Store at -15 to -25°C.
16S Primer Set V3-6, 7-9 (10X)	100026496	Blue	1 tube	300 µL	
Negative Control	362250	White	1 tube	1.0 mL	
<i>E. coli</i> DNA control (30 µg/mL)	4458450	Red	1 tube	40 µL	Store at -15 to -25°C.  Store separately from other reagents to prevent cross-contamination.

<sup>[1]</sup> Provided for identification purposes; the parts cannot be ordered separately from the kit.

**Note:** For safety and biohazard guidelines, refer to the “Safety” appendix in the *Ion 16S™ Metagenomics Kit User Guide* (Pub. no. MAN0010799). Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

## Product description

The Ion 16S™ Metagenomics Kit is designed for rapid analyses of polybacterial samples using Ion Torrent™ sequencing technology. The kit includes two primer sets that selectively amplify the corresponding hypervariable regions of the 16S region in bacteria:

- Primer set V2-4-8
- Primer set V3-6, 7-9

Sequence the amplified fragments on the Ion PGM™ System and analyze the results with the Ion Reporter™ software Ion 16S™ Metagenomics Kit analyses module. The combination of the two primer pools allows for sequence-based identification of a broad range of bacteria within a mixed population.

## Limited product warranty

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