# TaqMan® Vaginal Microbiota Amplification Control

**Catalog Number** A32040

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**WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from **thermofisher.com/support**.

## Product information

The TaqMan® Vaginal Microbiota Amplification Control contains a linearized multi-target plasmid with target sequences for each available vaginal microbiota profiling assay; see the *Vaginal Microbiota Profiling Experiments Application Guide* (Pub. No. MAN0015669) for the full list of available TaqMan® vaginal microbiota profiling assays. The plasmid also contains target sequences for the prokaryotic 16S rRNA and human RNase P RPPH1 genes, for general detection of bacterial and human DNA, respectively.

The TaqMan® Vaginal Microbiota Amplification Control can be included in vaginal microbiota profiling experiments to verify assay performance and to help with troubleshooting.

The TaqMan® Vaginal Microbiota Amplification Control is supplied at a plasmid concentration of $10^5$ copies/µL. The amplification control is designed for use with vaginal microbiota profiling OpenArray™ protocols; see "Guidelines for use".

See "Related documentation" on page 2 for resources that contain detailed instructions and troubleshooting for vaginal microbiota profiling OpenArray™ experiments.

## Contents and storage

| Component | Amount | Storage |
|---|---|---|
| TaqMan® Vaginal Microbiota Amplification Control | 1 tube (20 µL)<br>(sufficient for up to 8 reactions) | –30°C to –15°C (long-term)<br>4°C (up to 2 months) |

## Guidelines for use

These guidelines are applicable for all OpenArray™ plate formats available for vaginal microbiota profiling experiments.

- Before use, thaw the amplification control, vortex to thoroughly mix the contents, then centrifuge briefly to spin down the contents.
- Use the amplification control at the concentration supplied; no dilution is required.
- Use TaqMan® OpenArray™ Real-Time PCR Master Mix for vaginal microbiota profiling experiments.
- Add 2.5 µL of amplification control and 2.5 µL of master mix to each Amplification Control well of the OpenArray™ 384-well Sample Plate as designated in your sample layout.
- Add the DNA samples and master mix to the appropriate wells of the same OpenArray™ 384-well Sample Plate, then continue the OpenArray™ experiment protocol as described in the *Vaginal Microbiota Profiling Experiments Application Guide* (Pub. No. MAN0015669).

## Related documentation

| Document | Pub. No. |
|---|---|
| *Vaginal Microbiota Profiling Experiments Application Guide* | MAN0015669 |
| *Isolation of DNA for Vaginal Microbiota Profiling Experiments Quick Reference* | MAN0015935 |
| *OpenArray™ Vaginal Microbiota Profiling Experiments Quick Reference* | MAN0015936 |
| *QuantStudio™ 12K Flex Real-Time PCR System: OpenArray™ Experiments User Guide* | 4470935 |
| *OpenArray™ Sample Tracker Software Quick Reference* | 4460657 |
| *OpenArray™ AccuFill™ System User Guide* | 4456986 |

The information in this guide is subject to change without notice.



**Revision history.** Pub. No. MAN0016007

| Revision | Date | Description |
|---|---|---|
| A.0 | 02 August 2016 | New document. |



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