**Klebsiella oxytoca, Strain MIT 10-5245**

**Catalog No. HM-626**

For research use only. Not for human use.

**Contributor:**
James G. Fox, DVM, DACLAM, Professor, Division of Comparative Medicine, Massachusetts Institute of Technology (MIT), Cambridge, Massachusetts, USA

**Manufacturer:**
BEI Resources

**Product Description:**

**Bacteria Classification:** Enterobacteriaceae, Klebsiella  
**Species:** Klebsiella oxytoca  
**Strain:** MIT 10-5245 (also referred to as 10-5245)  
**Original Source:** Klebsiella oxytoca (K. oxytoca), strain MIT 10-5245 was isolated from human urine in Kansas, USA and is resistant to ampicillin.1,2  
**Comments:** K. oxytoca, strain MIT 10-5245 (HMP ID 9689) is a reference genome for The Human Microbiome Project (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genome of K. oxytoca, strain MIT 10-5245 was sequenced at the Broad Institute (GenBank: AGDL00000000).  
**Note:** HMP material is taxonomically classified by the depositor. Quality control of these materials is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material.

**Growth Conditions:**

**Media:**  
Tryptic Soy Broth or equivalent  
Tryptic Soy Agar or equivalent

**Incubation:**

**Temperature:** 35°C to 37°C  
**Atmosphere:** Aerobic

**Propagation:**

1. Keep vial frozen until ready for use, then thaw.  
2. Transfer the entire thawed aliquot into a single tube of broth.  
3. Use several drops of the suspension to inoculate an agar slant and/or plate.  
4. Incubate the tube, slant and/or plate at 37°C for 24 hours.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: Klebsiella oxytoca, Strain MIT 10-5245, HM-626.”

**Biosafety Level:** 2


**Disclaimers:**

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References:
1. Professor James G. Fox, personal communication.
2. HMP ID 9689 (Klebsiella oxytoca, strain MIT 10-5245)

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