

PRODUCT SPOTLIGHT



HUMAN ANAEROBES FOR MICROBIOME RESEARCH

The human gastrointestinal tract constitutes a complex ecosystem comprising hundreds of bacterial species. Of these, obligate anaerobes predominate, making up 99% of the bacterial species residing in the large intestine¹. Though abundant, in-depth knowledge on the functional interactions between obligate anaerobes and their habitat within the human gastrointestinal tract is complicated by their fastidious nature.

To help support microbiome research, ATCC offers a growing list of anaerobic bacteria isolated from humans that can be used in a variety of studies, including:

- In vitro modeling of anaerobic intestinal flora
- Assay development
- Next-generation sequencing
- Pathogen-host interaction studies

In addition to fully authenticated and characterized strains, ATCC provides historical information, growth media formulations, atmospheric growth conditions, and expert technical assistance for each strain provided in the collection. Browse our complete collection of anaerobic bacterial strains online at www.atcc.org.

| ATCC No. | Organism | Strain Designation | Type Strain | Isolation |
|------------------------|--|--------------------|-------------|--------------------------|
| 51276™ | <i>Johnsonella ignava</i> | VPI D94B-12 | Yes | Oral cavity - human |
| 51261™ | <i>Prevotella enoeca</i> | VPI D194A-25A | Yes | Oral cavity - human |
| 51259™ | <i>Prevotella tannerae</i> | VPI N14B-15 | Yes | Oral cavity - human |
| 43532™ | <i>Selenomonas infelix</i> | VPI D75B-30 | Yes | Human subgingival region |
| 43541™ | <i>Selenomonas noxia</i> | VPI D9B-5 | Yes | Human subgingival region |
| 33779™ | <i>Prevotella veroralis</i> | VPI D22A-7 | Yes | Human oral cavity |
| 33285™ | <i>Prevotella zoogloeiformans</i> | VPI D28K-1 | Yes | Human oral cavity |
| 17744™ | <i>Veillonella atypica</i> | KON | Yes | Human mouth |
| 17748™ | <i>Veillonella dispar</i> | ERN | Yes | Human mouth |
| 17745™ | <i>Veillonella parvula</i> | 259 | Yes | Human mouth |
| 15930™ | <i>Prevotella loescheii</i> | 8B | Yes | Gingival crevice |
| 35309™ | <i>Prevotella buccae</i> | NCDO 2353 | Yes | Dental plaque |
| 35310™ | <i>Prevotella buccalis</i> | NCDO 2354 | Yes | Dental plaque |
| 35308™ | <i>Prevotella denticola</i> | NCDO 2352 | Yes | Dental plaque |
| 27534™ | <i>Bifidobacterium dentium</i> | B764 | Yes | Dental caries |
| 14501™ | <i>Clostridium innocuum</i> | B-3 | Yes | Appendix abscess |
| 25285™ | <i>Bacteroides fragilis</i> | VPI 2553 | Yes | Appendix abscess |
| 15700™ | <i>Bifidobacterium breve</i> | S1 | Yes | Intestine of infant |
| 15697™ | <i>Bifidobacterium longum</i> subsp. <i>infantis</i> | S12 | Yes | Intestine of infant |


| ATCC No. | Organism | Strain Designation | Type Strain | Isolation |
|-----------|--|--------------------|-------------|---------------------------|
| 15703™ | <i>Bifidobacterium adolescentis</i> | E194a | Yes | Intestine of adult |
| 15707™ | <i>Bifidobacterium longum</i> subsp. <i>longum</i> | E194b | Yes | Intestine of adult |
| 10790™ | <i>Veillonella parvula</i> | Te 3 | Yes | Intestinal tract |
| 29521™ | <i>Bifidobacterium bifidum</i> | VPI 11241 | Yes | Infant feces |
| BAA-1564™ | <i>Blautia wexlerae</i> | WAL 14507 | Yes | Human feces |
| BAA-474™ | <i>Cetobacterium somerae</i> | WAL 14325 | Yes | Human feces |
| BAA-613™ | <i>Clostridium boltea</i> | WAL 16351 | Yes | Human feces |
| 29800™ | <i>Alistipes putredinis</i> | VPI 3293 | Yes | Human feces |
| 43185™ | <i>Bacteroides caccae</i> | VPI 3452A | Yes | Human feces |
| 27754™ | <i>Bacteroides eggerthii</i> | VPI T5-42B-1 | Yes | Human feces |
| 43243™ | <i>Bacteroides pectinophilus</i> | N3 | Yes | Human feces |
| 43183™ | <i>Bacteroides stercoris</i> | VPI B5-21 | Yes | Human feces |
| 29148™ | <i>Bacteroides thetaiotaomicron</i> | VPI 5482 | Yes | Human feces |
| 27535™ | <i>Bifidobacterium angulatum</i> | B677 | Yes | Human feces |
| 27919™ | <i>Bifidobacterium pseudocatenulatum</i> | B1279 | Yes | Human feces |
| 27752™ | <i>Blautia hansenii</i> | VPI C7-24 | Yes | Human feces |
| 27791™ | <i>Clostridium celatum</i> | VPI 8759-1 | Yes | Human feces |
| 29065™ | <i>Clostridium leptum</i> | VPI T7-24-2 | Yes | Human feces |
| 43829™ | <i>Clostridium methylpentosum</i> | R2 | Yes | Human feces |
| 27757™ | <i>Clostridium nexile</i> | VPI C48-37 | Yes | Human feces |
| 35704™ | <i>Clostridium scindens</i> | VPI 13733 | Yes | Human feces |
| 29900™ | <i>Clostridium spiroforme</i> | NCTC 11211 | Yes | Human feces |
| 25986™ | <i>Collinsella aerofaciens</i> | VPI 1003 | Yes | Human feces |
| 27755™ | <i>Dorea formicigenerans</i> | VPI C8-13 | Yes | Human feces |
| 27806™ | <i>Eubacterium bifforme</i> | VPI C17-5 | Yes | Human feces |
| 27804™ | <i>Eubacterium cylindroides</i> | VPI 3651 | Yes | Human feces |
| 27805™ | <i>Eubacterium cylindroides</i> | VPI 3696 | Yes | Human feces |
| 29143™ | <i>Eubacterium dolichum</i> | VPI C9-20 | Yes | Human feces |
| 27750™ | <i>Eubacterium eligens</i> | VPI C15-48 | Yes | Human feces |
| 29173™ | <i>Anaerostipes hadrus</i> | B2-52 | Yes | Human feces |
| 27751™ | <i>Eubacterium hallii</i> | VPI B4-27 | Yes | Human feces |
| 29099™ | <i>Eubacterium ramulus</i> | VPI C6-27 | Yes | Human feces |
| 29066™ | <i>Eubacterium siraeum</i> | VPI T9-50-2 | Yes | Human feces |
| 27768™ | <i>Faecalibacterium prausnitzii</i> | VPI C13-51 | Yes | Human feces |
| 49531™ | <i>Flavonifractor plautii</i> | 265 | Yes | Human feces |
| 27723™ | <i>Mitsuokella multacida</i> | A 405-1 | Yes | Human feces |
| 43184™ | <i>Parabacteroides merdae</i> | VPI T4-1 | Yes | Human feces |
| 29799™ | <i>Pseudoflavonifractor capillosus</i> | VPI R2-29-1 | Yes | Human feces |
| 27255™ | <i>Ruminococcus bromii</i> | VPI 6883 | Yes | Human feces |
| 29149™ | <i>Ruminococcus gnavus</i> | VPI C7-9 | Yes | Human feces |
| 29176™ | <i>Ruminococcus lactaris</i> | VPI X6-29 | Yes | Human feces |
| 29174™ | <i>Ruminococcus obeum</i> | VPI B3-21 | Yes | Human feces |
| 27756™ | <i>Ruminococcus torques</i> | VPI B2-51 | Yes | Human feces |
| 27560™ | <i>Eubacterium ventriosum</i> | VPI 1013B | Yes | Human feces |
| BAA-548™ | <i>Victivallis vadensis</i> | Cello | Yes | Human feces |
| BAA-997™ | <i>Bacteroides salyersiae</i> | WAL 10018 | Yes | Clinical specimen - human |
| BAA-689™ | <i>Fusobacterium canifelinum</i> | RMA 1036 | Yes | Clinical specimen - human |
| BAA-601™ | <i>Peptoniphilus hareii</i> | DSM 10020 | Yes | Clinical specimen - human |


REFERENCES

- 1 Maier E, Anderson RC, Roy NC. Understanding How Commensal Obligate Anaerobic Bacteria Regulate Immune Functions in the Large Intestine. *Nutrients* 7(1): 45-73, 2015.

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