

Gut Zoomer NY

The Gut Zoomer NY evaluates a broad range of gut markers to characterize microbial balance, digestive function, immune activity, and metabolic byproducts. The marker set is designed to capture both upstream gut drivers and downstream functional effects, helping clinicians assess how microbial and intestinal patterns influence inflammation, metabolism, and whole-body symptom expression.

Gut Inflammatory Marker

- Calprotectin (mcg/g)

Digestion and Malabsorption

- Pancreatic elastase 1 (mcg/g)

Gut Metabolites

Bile Acids

- Cholic acid (CA) (%)
- Chenodeoxycholic acid (CDCA) (%)
- Deoxycholic acid (DCA) (%)
- Lithocholic acid (LCA) (%)
- LCA/DCA ratio

Short Chain Fatty Acids

- Acetate (%)
- Butyrate (%)
- Propionate (%)
- Valerate (%)
- Total SCFA (mmol/g)

15 Gut Pathogens

7 Bacteria

- *Campylobacter* spp. (*jejuni* and *coli*)
- Enterotoxigenic *E. coli* (ETEC)
- *Plesiomonas shigelloides*
- *Salmonella*
- Shiga-like toxin-producing *E. coli* (STEC) Stx1/Stx2
- *Shigella*/EIEC
- *Yersinia enterocolitica*

3 Protozoans

- *Cryptosporidium*
- *Entamoeba histolytica*
- *Giardia lamblia*

5 Viruses

- Adenovirus F40/41
- Astrovirus
- Norovirus GI/GII
- Rotavirus A
- Sapovirus

Gut Diversity

Diversity Indices

- Shannon's Diversity Index
- Simpson's Diversity Index

Gut Phyla

- Proteobacteria
- Actinobacteria
- Fusobacteria
- Bacteroidetes
- Firmicutes
- Euryarchaeota
- Verrucomicrobia

Key Ratios

- Firmicutes/Bacteroidetes
- Prevotella /Bacteroidetes

107 Gut Commensals

87 Gut Commensals - Gut Microbiome

- *Acinetobacter*
- *Actinomyces*
- *Akkermansia muciniphila*
- *Alistipes*
- *Alloprevotella*
- *Atopobium*
- *Atopobium parvulum*
- *Bacillus subtilis*
- *Bacteroidales*
- *Bacteroides*
- *Bacteroides caccae*
- *Bacteroides vulgatus*
- *Bifidobacterium*
- *Bifidobacterium adolescentis*
- *Bifidobacterium animalis*
- *Bifidobacterium animalis subsp. lactis*
- *Bifidobacterium catenulatum*
- *Blautia*
- *Blautia hydrogenotrophica*
- *Bradyrhizobiaceae*
- *Butyricimonas*
- *Butyrivibrio*
- *Catenibacterium*
- *Christensenella minuta*
- *Clostridia clusters IV*
- *Clostridia clusters XIVa*
- *Clostridia clusters XVIII*
- *Clostridiales Family XIV Incertae Sedis*
- *Clostridiales Incertae Sedis IV*
- *Clostridium hathewayi*
- *Clostridium ramosum*
- *Clostridium symbiosum*
- *Collinsella*
- *Coprococcus*
- *Desulfovibrio*
- *Desulfovibrio piger*
- *Dialister invisus*
- *Dorea*
- *Eggerthella lenta*
- *Enterobacter aerogenes*
- *Enterococcus*
- *Enterococcus gallinarum*
- *Eubacterium*
- *Eubacterium rectale*
- *Faecalibacterium prausnitzii*
- *Fusobacterium*
- *Hafnia*
- *Holdemania*
- *Lachnospiraceae*
- *Lactobacillaceae*
- *Lactobacillus*
- *Lactobacillus animalis*
- *Lactobacillus ruminis*
- *Lactobacillus sakei*
- *Lactococcus*
- *Leuconostoc*
- *Marvinbryantia*
- *Methanobrevibacter smithii*
- *Mycoplasma*
- *Oscillospira*
- *Parabacteroides*
- *Pediococcus*
- *Peptostreptococcus*
- *Phascolarctobacterium*
- *Porphyromonas gingivalis*
- *Prevotella*
- *Prevotella copri*
- *Propionibacterium freudenreichii*
- *Proteus mirabilis*
- *Pseudobutyrvibrio*
- *Pseudomonas*
- *Roseburia*
- *Roseburia intestinalis*

- *Ruminococcaceae*
- *Ruminococcus*
- *Ruminococcus bromii*
- *Ruminococcus gnavus*
- *Ruminococcus obeum*
- *Solobacterium moorei*
- β -Galactosidase producing Bacteria
- β -Glucuronidase producing Bacteria
- *Staphylococcus epidermidis*
- *Staphylococcus pasteurii*
- *Tyzzzeria*
- *Tyzzzeria 4*
- *Veillonella*
- *Veillonellaceae*

20 Gut Commensals - Probiotic Organisms

- *Bacillus coagulans*
- *Bifidobacterium bifidum*
- *Bifidobacterium breve*
- *Bifidobacterium dentium*
- *Bifidobacterium infantis*
- *Bifidobacterium longum*
- *Escherichia coli Nissle*
- *Lactobacillus acidophilus*
- *Lactobacillus brevis*
- *Lactobacillus bulgaricus*
- *Lactobacillus casei*
- *Lactobacillus fermentum*
- *Lactobacillus paracasei*
- *Lactobacillus plantarum*
- *Lactobacillus reuteri*
- *Lactobacillus rhamnosus*
- *Lactobacillus rhamnosus GG*
- *Lactobacillus salivarius*
- *Saccharomyces boulardii*
- *Streptococcus thermophilus*