

GI-MAP Add-On

StoolOMX™

Pinpoint the Causes of IBS, IBD, and Gut Dysfunction with StoolOMX

StoolOMX™ is a powerful GI-MAP® add-on test that evaluates 25 bile acids (total concentrations, percentages, and ratios) and 9 short chain fatty acids (SCFAs), offering clinicians valuable insights into gut functionality.

Bile acids and SCFAs play critical roles in digestion, motility, microbiome balance, and metabolic health. Imbalances in these metabolites can drive conditions such as IBS, IBD, bile acid diarrhea, and altered gut motility. By ordering StoolOMX alongside the GI-MAP, practitioners can uncover the underlying causes of these common conditions.

The StoolOMX report delivers results in an intuitive, easy-to-read format, highlighting imbalances, clinical implications, and areas requiring attention.

This actionable data supports tailored intervention strategies, leading to improved outcomes for patients with digestive concerns.

Provides Insight Into the Following Areas of Gut Health

- **Bile Acid Metabolism**
 - » Assess fat digestion, microbiome health, and motility
- **SCFA Production**
 - » Evaluate dietary fermentation, gut inflammation, and gut lining integrity
- **Gut Dysbiosis**
 - » Identify microbial imbalances driving symptoms like bloating, diarrhea, or constipation
- **Inflammatory Pathways**
 - » Explore markers of gut inflammation and barrier integrity

StoolOMX™

Empowering Practitioners to Solve Gut Dysfunction



List of Analytes Reported

* Exact number of analytes reported may differ from those shown on this page.

Bile Acids – Summary

- Total Bile Acids - ng/g
- Secondary Bile Acids - %
- Primary Bile Acids - %
- Bile Acid Percentages
 - » Deoxycholic Acid-DCA
 - » Lithocholic Acid-LCA*
 - » Iso-LCA
 - » Other
- LCA* / DCA Ratio

Short Chain Fatty Acids – Summary

- Major Straight Chain Fatty Acids - µg/g
- Acetate - %
- Butyrate - %
- Propionate - %
- Valerate - %
- Major SCFA Percent
- SCFA / BCFA Ratio

* LCA value is the summation of LCA + Allo-LCA

Bile Acids – Results

- Primary Bile Acids
 - » Total Primary Bile Acids
 - » Cholic Acid
 - » Chenodeoxycholic Acid
 - » Taurochenodeoxycholic Acid
 - » Taurocholic Acid
 - » Glycochenodeoxycholic Acid
 - » Glycocholic Acid
 - » Hyocholic Acid
- Secondary Bile Acids
 - » Total Secondary Bile Acids
 - » Lithocholic Acid*
 - » Deoxycholic Acid
 - » Ursodeoxycholic Acid
 - » Glycolithocholic Acid
 - » Glycoursodeoxycholic Acid
 - » Glycodeoxycholic Acid
 - » Tauroolithocholic Acid
 - » Tauroursodeoxycholic Acid
 - » Taurodeoxycholic Acid
 - » Isolithocholic Acid
 - » 7-Ketolithocholic Acid
 - » 12-Ketolithocholic Acid
 - » 3-oxoDeoxycholic Acid
 - » 7-Ketodeoxycholic Acid
 - » Dehydrolithocholic Acid
 - » Hyodeoxycholic Acid
 - » Alloisolithocholic Acid
 - » 3-Dehydrocholic Acid

Short Chain Fatty Acids – Results

- Total Short Chain Fatty Acids µg/g
- Saccharolytic Straight Chain Fatty Acids (SCFA)
 - » Total SCFA
 - » Acetate
 - » Butyrate
 - » Propionate
 - » Valerate
 - » Caproate
- Proteolytic Branched Chain Fatty Acids (BCFA)
 - » Total BCFA
 - » Isobutyrate
 - » Isovalerate
 - » 2-Methylbutyrate
 - » Isocaproate

Primary bile acids are synthesized from cholesterol in the liver and conjugated with either taurine or glycine. They are stored in the gallbladder and released during digestion to assist with the absorption of fat and fat-soluble vitamins.

Normally, ~95% of primary bile acids are reabsorbed via the portal vein while ~5% are metabolized by gut bacteria to produce secondary bile acids.

Saccharolytic short chain fatty acids (SCFAs) are primarily metabolites of dietary fiber fermentation in the gut while proteolytic branched chain fatty acids (BCFAs) are metabolites of protein fermentation.

Acetate, propionate, and butyrate are three major SCFAs, which account for ~90% of the SCFAs produced by gut microbiota. SCFAs are known to have numerous health effects and can enhance fecal excretion of bile acids.



Account setup forms are available on our website, via email at cs@diagnosticsolutionslab.com, or by phone at 877-485-5336.

TEST ORDERING OPTIONS & SPECIMEN REQUIREMENTS

- GI-MAP® - GI Microbial Assay Plus | Stool

Add-Ons:

- StoolOMX™ - Bile Acids and Short Chain Fatty Acids (optional profile)
- Zonulin - Intestinal Permeability (optional marker)
- Fecal Gluten Peptide - Stool Gluten (optional marker or stand-alone test)
- Universal Antibiotic Resistance (AR) Genes Panel (optional profile)

GETTING STARTED

- Set up an account
- Order online on our website, via email, or by phone

LEARN MORE



Visit the GI-MAP web page to learn more.