



Effects™ Comprehensive Profile - Stool

Methodology: GC/MS, Automated Chemistry, EIA



Digestion and Absorption

Pancreatic Elastase 1 †	269		>200 mcg/g
Products of Protein Breakdown (Total*) (Valerate, Isobutyrate, Isovalerate)	11.2 H		1.8-9.9 micromol/g
Fecal Fat (Total*)	>77.0 H		3.2-38.6 mg/g
Triglycerides	3.8 H		0.3-2.8 mg/g
Long-Chain Fatty Acids	52.0 H		1.2-29.1 mg/g
Cholesterol	4.5		0.4-4.8 mg/g
Phospholipids	>16.7 H		0.2-6.9 mg/g

Inflammation and Immunology

Calprotectin †	46		<=50 mcg/g
Eosinophil Protein X (EPX) †	0.3		<=4.6 mcg/g
Fecal secretory IgA	204		<=885 mcg/g

Gastrointestinal Microbiome

Metabolic

Short-Chain Fatty Acids (SCFA) (Total*) (Acetate, n-Butyrate, Propionate)	85.9		>=23.3 micromol/g
n-Butyrate Concentration	22.8		>=3.6 micromol/g
n-Butyrate %	26.5		11.8-33.3 %
Acetate %	53.5		48.1-69.2 %
Propionate %	20.0		<=29.3 %
Beta-glucuronidase	6,250		368-6,266 U/g

*Total value is equal to the sum of all measurable parts.

†These results are not represented by quintile values.

2200 GI Effects™ Comprehensive Profile - Stool

Interpretation At-a-Glance

Biomarker	Patient Results Out of Reference Range	Genova Diagnostics Biomarker Clinical Associations*							
		IBS	IBD	Metabolic Syndrome	Chronic Fatigue	Auto-immune	Type 2 Diabetes	High Blood Pressure	Mood Disorders
Pancreatic Elastase		↓	↓	↓	↓	↓	↓	↓	↓
Products of Protein Breakdown (Total)	H						↕		
Fecal Fat (Total*)	H	↑		↑	↑	↑	↕	↑	↑
Triglycerides	H	↑			↑	↑	↑	↑	↑
Long-Chain Fatty Acids	H	↑			↑	↑	↕	↑	↑
Cholesterol							↕	↑	
Phospholipids	H	↑	↑	↑	↑	↑	↑	↑	↑
Calprotectin			↑					↑	
Eosinophil Protein X (EPX)			↑						
Fecal secretory IgA		↑	↑	↑	↑	↑	↑	↑	↑
Short-Chain Fatty Acids (SCFA) (Total)					↓	↓			
n-Butyrate Concentration				↓					
n-Butyrate %									
Acetate %					↕		↕		
Propionate %				↑			↑	↑	
Beta-glucuronidase						↕			↕



Vijay, Jessica

DOB: 09/16/2010

Patient Report

Patient ID: 00000

Age: 10

Account Number: 37023020

Specimen ID: 225-714-0510-0

Sex: Female

Ordering Physician: [REDACTED]

Ordered Items: Fecal Fat, Quantitative; Fecal Fat, Qualitative; Request Problem

Date Collected: 08/13/2021

Date Received: 08/13/2021

Date Reported: 08/21/2021

Fasting: No

Fecal Fat, Quantitative

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Fecal Weight (Total) ⁰¹				
Test not performed. No specimen received.				

Fecal Fat, Qualitative

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Fats, Neutral ^{A 02}	Normal	Normal 04/02/2019		
Normal (<60 Droplets/HPF)				
Fats, Total ^{A 02}	Normal	Normal 04/02/2019		
Normal (<100 Droplets/HPF)				

Request Problem

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Request Problem ⁰²				
Test not performed. No specimen received. TEST: 001354 Fecal Fat, Quantitative				

Icon Legend

▲ Out of reference range ■ Critical or Alert

Methodology: EIA



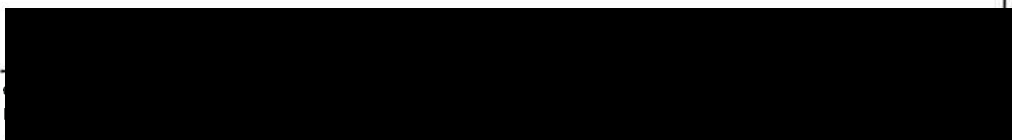
Stool Zonulin

	Result		Reference Range
Zonulin, Stool	186.0	H	22.3-161.1 ng/mL

Zonulin

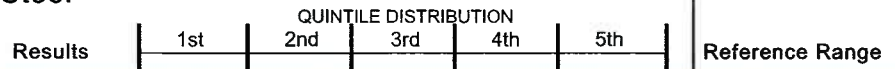
Zonulin is a protein modulator of intestinal tight junctions and is used to assess intestinal permeability. It can be used for assessing impaired gut barrier function for several autoimmune and metabolic conditions including celiac disease, type 1 diabetes and insulin resistance.¹

The performance characteristics of Zonulin have been verified by Genova Diagnostics, Inc. The assay has not been cleared by the U.S. Food and Drug Administration.



GI Effects™ Comprehensive Profile - Stool

Methodology: GC/MS, Automated Chemistry, EIA



Digestion and Absorption

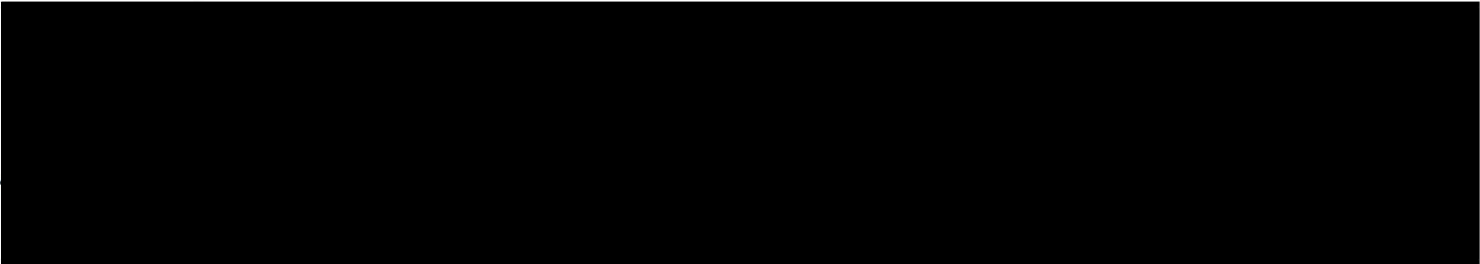
Results	1st	2nd	3rd	4th	5th	Reference Range
Pancreatic Elastase 1 †	>500	100	200			>200 mcg/g
Products of Protein Breakdown (Total*) (Valerate, Isobutyrate, Isovalerate)	3.8					1.8-9.9 micromol/g
Fecal Fat (Total*)	40.6 H					3.2-38.6 mg/g
Triglycerides	2.2					0.3-2.8 mg/g
Long-Chain Fatty Acids	20.8					1.2-29.1 mg/g
Cholesterol	8.0 H					0.4-4.8 mg/g
Phospholipids	9.6 H					0.2-6.9 mg/g

Inflammation and Immunology

Results	1st	2nd	3rd	4th	5th	Reference Range
Calprotectin †	<16	50	120			<=50 mcg/g
Eosinophil Protein X (EPX) †	<DL	1.1		4.6		<=4.6 mcg/g
Fecal secretory IgA	852					<=885 mcg/g

Gastrointestinal Microbiome

Results	1st	2nd	3rd	4th	5th	Reference Range
Metabolic						
Short-Chain Fatty Acids (SCFA) (Total*) (Acetate, n-Butyrate, Propionate)	45.5					>=23.3 micromol/g
n-Butyrate Concentration	9.9					>=3.6 micromol/g
n-Butyrate %	21.8					11.8-33.3 %
Acetate %	42.0 L					48.1-69.2 %
Propionate %	36.2 H					<=29.3 %
Beta-glucuronidase	2,983					368-6,266 U/g



2200 GI Effects™ Comprehensive Profile - Stool

Interpretation At-a-Glance

Biomarker	Patient Results Out of Reference Range	Genova Diagnostics Biomarker Clinical Associations*							
		IBS	IBD	Metabolic Syndrome	Chronic Fatigue	Auto- immune	Type 2 Diabetes	High Blood Pressure	Mood Disorders
Pancreatic Elastase		↓	↓	↓	↓	↓	↓	↓	↓
Products of Protein Breakdown (Total)							↑↓		
Fecal Fat (Total*)	H	↑		↑	↑	↑	↑↓	↑	↑
Triglycerides		↑			↑	↑	↑	↑	↑
Long-Chain Fatty Acids		↑			↑	↑	↑↓	↑	↑
Cholesterol	H						↑↓	↑	
Phospholipids	H	↑	↑	↑	↑	↑	↑	↑	↑
Calprotectin			↑					↑	
Eosinophil Protein X (EPX)			↑						
Fecal secretory IgA		↑	↑	↑	↑	↑	↑	↑	↑
Short-Chain Fatty Acids (SCFA) (Total)					↓	↓			
n-Butyrate Concentration				↓					
n-Butyrate %									
Acetate %	L				↑↓		↑↓		
Propionate %	H			↑			↑	↑	
Beta-glucuronidase							↑↓		↑↓

Vijay, Jothika

DOB: 08/04/2013

Patient Report

Patient ID: 00000

Age: 8

Account Number: 37023020

Specimen ID: 225-714-0404-0

Sex: Female

Ordering Physician: [REDACTED]



Ordered Items: Fecal Fat, Quantitative; Fecal Fat, Qualitative; Request Problem

Date Collected: 08/12/2021

Date Received: 08/13/2021

Date Reported: 08/21/2021

Fasting: No

Fecal Fat, Quantitative

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Fecal Weight (Total) ⁰¹				
Test not performed. No specimen received.				

Fecal Fat, Qualitative

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Fats, Neutral ⁰²	Normal	Normal 04/02/2019		
Normal (<60 Droplets/HPF)				
Fats, Total ⁰²	Normal	Normal 04/02/2019		
Normal (<100 Droplets/HPF)				

Request Problem

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Request Problem ⁰²				
Test not performed. No specimen received. TEST: 001354 Fecal Fat, Quantitative				

