



Gut Barrier Panel		Sample Type:	Bloodspot
Name:	Sample A	Date Drawn:	NA
Date of Birth:	NA	Date Completed:	NA
Accession Number:	xxxxxx	Provider:	Sample Provider

**Gut Barrier Panel**

KBMO has created a unique Gut Barrier Panel which in recognition that leaky gut occurs across a spectrum we have included the following gatekeeper markers: Candida, Zonulin and Occludin and LPS. For each marker, we measure IgG 1-4 /C3d in addition to IgA 1 and 2.

Gut Barrier Panel		
	IgG1-4+C3d	IgA1-2
Candida	Negative	Negative
Zonulin	Negative	Negative
Occludin	Negative	Positive
LPS	Negative	Negative

**Candida:**  
we measure and use any candida overgrowth in the stomach/dysbiosis as a precursor to leaky gut occurrence

**Zonulin:**  
Is a marker of intestinal permeability, otherwise known as leaky gut. If a patient has elevated Zonulin levels, the normal regulation of the tight junctions is compromised. This Zonulin marker is unique to KBMO please follow the link for more information:  
<http://kbmodiagnostics.com/zonulin-test/>

**Occludin:**  
is a marker of tight junction stabilization and optimal barrier function. Elevated occludin indicates that the tight junctions are breaking down.

**LPS:**  
Lipopolysaccharides (LPS) are a major structural component of the outer membrane of gram-negative bacteria. Elevated levels of antibody against LPS may be indicative of Leaky Gut Syndrome and other gastrointestinal inflammatory diseases.

**GB Panel Interpretation:**  
If any of the 8 markers are positive, we recommend to consult your provider with regards to a gut healing protocol.

Laboratory Information:	
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This test was developed and its performance characteristics were determined by KBMO Diagnostics, LLC. It has not been cleared by the U.S. Food & Drug Administration (FDA).