

## Gut Barrier Panel (GB Panel)

KBMO has created a unique Gut Barrier Panel. In recognition that leaky gut occurs across a spectrum we have included the following gatekeeper markers: Candida, Zonulin and Occludin.

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

### Candida:

We measure and use any candida overgrowth in the stomach/dysbiosis as a precursor to leaky gut occurrence.

## Gut Barrier Panel (GB Panel) Continued...

### Zonulin:

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:

<https://kbmodiagnostics.com/zonulin-test/>

### Occludin:

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.