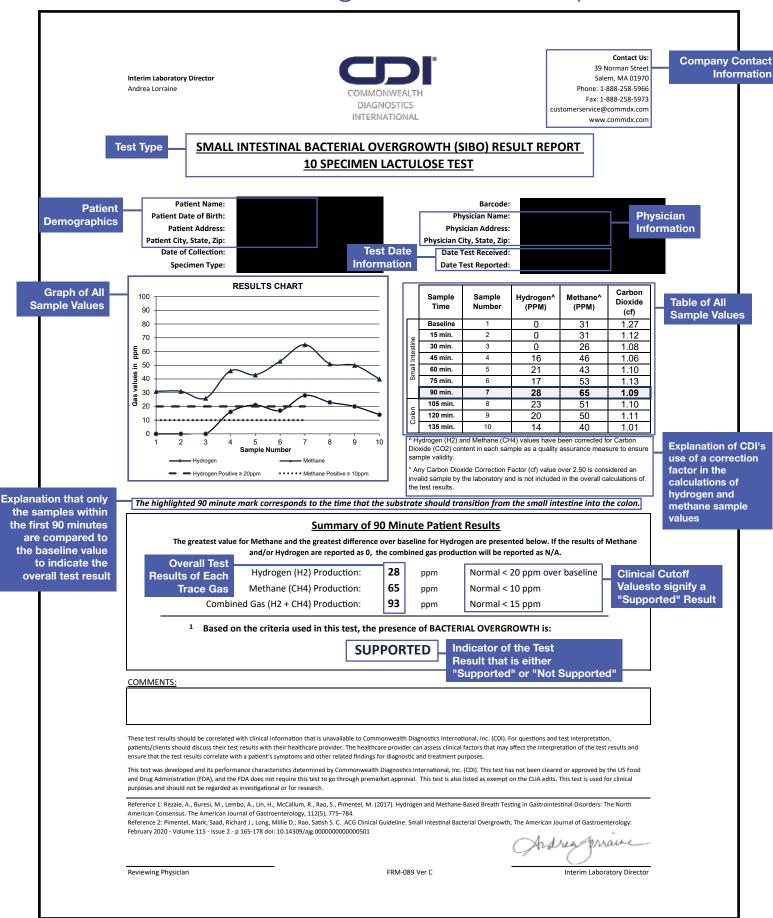
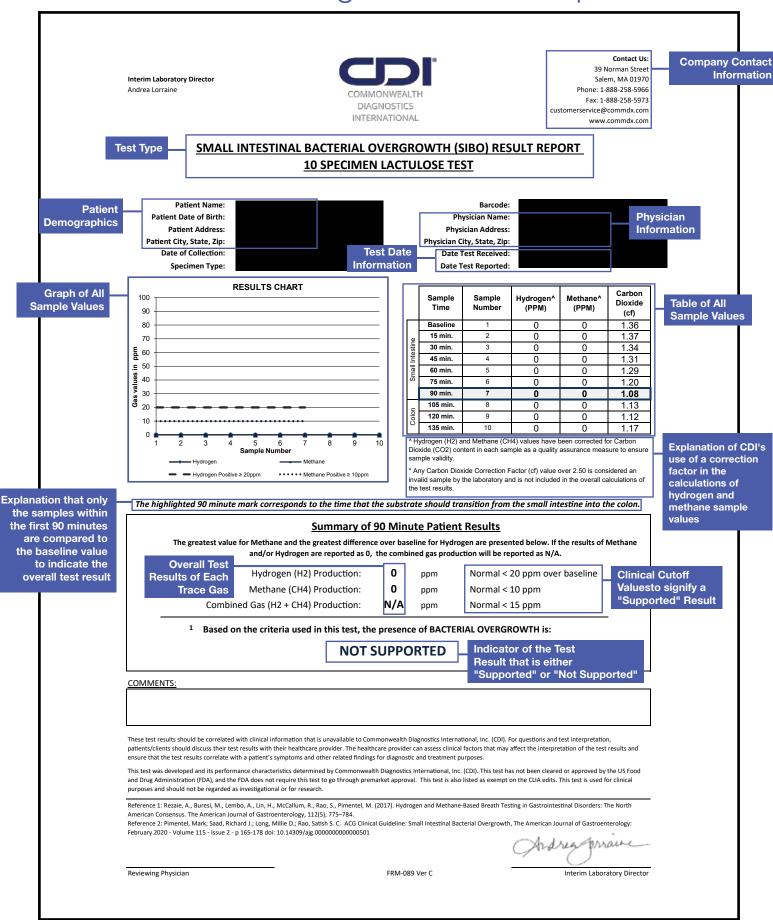
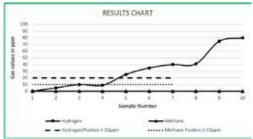
## Understanding Your Result Report



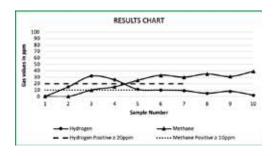
## Understanding Your Result Report



#### **COMMON "SUPPORTED" RESULTS**



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#### **High Hydrogen/No Methane**

Patients who have symptoms such as bloating often will have high hydrogen production that increases dramatically throughout the test. Notice that the plot crosses the dashed line at 20 ppm, which indicates a "supported" (positive) result for hydrogen.

#### No Hydrogen/High Methane

Patients who have symptoms such as constipation often will have high methane production that is present at high levels during the entire length of the test. Notice that the plot is above the dotted line at 10 ppm, which indicates a "supported" (positive) result for methane.

#### **High Hydrogen/High Methane**

Patients who produce both methane and hydrogen often demonstrate this plot. This is due to the competing methanogens consuming the hydrogen gas to produce methane gas. The decrease in hydrogen with the increase in methane is indicative of this microbiome composition. This test would be a "supported" (positive) result for both hydrogen and methane.

### **COMMON "NOT SUPPORTED" RESULTS**

#### Low Hydrogen/Low Methane

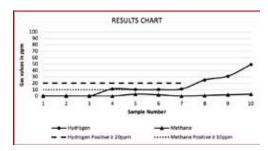
Patients who have GI-related symptoms that do not produce enough gas to surpass the clinical cutoff of either hydrogen (>20 ppm) or methane (>10 ppm) at or before 90 minutes (sample 7) often have this trend. Notice that the two plots do not cross either the dashed line for hydrogen or the dotted line for methane, which indicates the test would be a "not supported" result for either gas production.

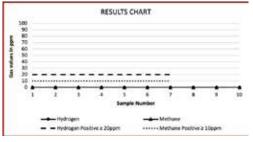


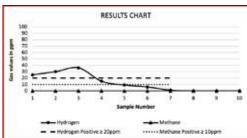
Patients that do not produce any hydrogen or methane throughout the entire test, but still present with GI-related symptoms, often have this plot. This may be due to hydrogen sulfide production from sulfur-reducing bacteria, which a hydrogen and methane breath test cannot detect. This test would be a "not supported" result for either gas. CDI is working with the research community to assess future modalities for diagnostic testing for H2S (hydrogen sulfide).

#### **High Hydrogen Baseline**

Patients who do not fast properly will often have a plot line that looks like this. The first few samples will begin with high hydrogen levels, slightly increase, and then immediately decrease. The patient is recommended to retest when this occurs, this test would be a "not supported" result for either gas.







These common test results are guidelines only and should be correlated with clinical information that is unavailable to Commonwealth Diagnostics International, Inc. (CDI). For questions and test interpretation, patients/clients should discuss their test resultswith their healthcare provider. The healthcare provider can assess clinical factors that may affect the interpretation of the test results and ensure that the test results correlate with a patient's symptoms and other related findings for diagnostic and treatment purposes.