

How Powerful Is Your Antacid?

Antacid Testing Data

Data Table 1. An Antacid in Action

Step No.	Physiological Environment	Observations
3	Upset Stomach	
5	Antacid Introduced into Stomach	
6	Additional Stomach Acid Secretion	

Data Table 2. Antacid Titration

	Antacid Brand	Antacid Brand
Mass of Tablet (g)		
pH of Antacid Solution (Before Titration)		
Color of Solution (Before Titration)		
Starting Volume of HCl (mL)		
Ending Volume of HCl (mL)		
Volume of HCl Neutralized (mL)		
Color of Solution (After Titration)		
pH of Antacid Solution (After Titration)		

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Table 3. Summary of Antacid Data

	Antacid Brand	Antacid Brand	Antacid Brand
Average Volume of HCl Neutralized Per Tablet (mL)			
Mass of One Tablet (g)			
Average Volume of HCl Neutralized Per Gram of Antacid (mL/g)			
Price Per Bottle of Antacid			
Number of Antacid Tablets Per Bottle			
Cost Per Antacid Tablet (cents)			
Cost Per Gram (¢/g)			
Cost Per mL of HCl Neutralized (¢/mL)			
Volume of HCl Neutralized Per Penny (mL/¢)			
Active Ingredient(s)			
Amount of Each Active Ingredient (mg/tablet)			
Recommended Adult Dosage (tablets)			