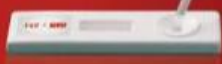


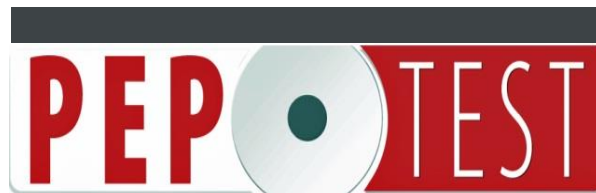
*Peptest™ can detect pepsin  
in a wide range of clinical  
samples including:*



- >> Saliva
- >> Sputum
- >> Tracheal aspirate
- >> Esophageal aspirate
- >> Gastric juice (*requires dilution*)
- >> Exhaled breath condensate
- >> Bronchoalveolar lavage fluid

*Peptest™ can be used to identify the  
presence of pepsin, which can  
contribute to the pathology of a  
wide spectrum of conditions:*

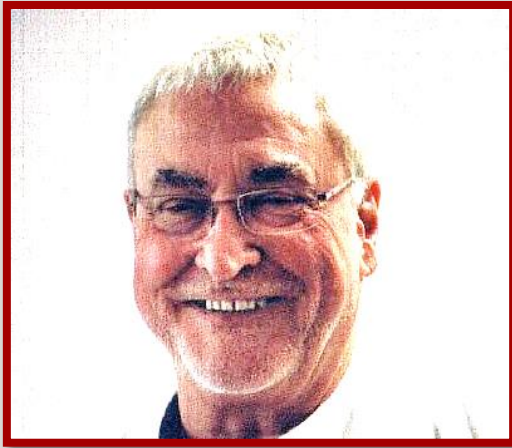
- >> GERD
- >> EOR
- >> LPR
- >> Chronic cough
- >> Cystic fibrosis
- >> Lung allograft rejection
- >> Otitis media with effusion
- >> Asthma
- >> Sinusitis



### ***RD Biomed Limited***

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Hello, I am Professor Peter Dettmar.

I have spent many years studying Reflux and the problems patients and doctors have in diagnosing it.

Reflux diagnosis typically entails several tests, such as 24/48 hour pH monitoring, pH Impedance, Barium Swallow, and Endoscopy, to establish whether Reflux is the problem. All expensive, time consuming, and unpleasant for the patients

I have developed Peptest to solve that problem.

Professor Peter Dettmar BSc PhD CBIol FSB FRSPH

## What is a Peptest?

Peptest is a new, accurate painless and inexpensive saliva test that tells you conclusively if you have reflux. Peptest can be ordered by both doctors and patients direct.

Your body produces Pepsin in the stomach to break down protein. If Pepsin is found outside of the stomach you are suffering from reflux.

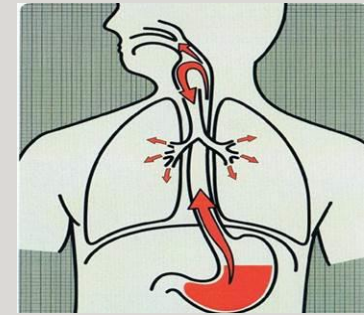
We take samples of your saliva and test them in our laboratory for Pepsin

If Pepsin is present the concentration in your sample is measured to show the severity of Reflux and give a benchmark to assess the success or failure of any treatment. Retesting can be used at any future treatment point

## How do I take the Peptest?

Just go to the Peptest website [www.peptest.co.uk](http://www.peptest.co.uk) and book a test. You may also email us at [info@rdbiomed.com](mailto:info@rdbiomed.com) or call us on 01482 461 88. Three small collection tubes and instructions will be sent to you by post.

You collect 3 small saliva samples over 1 or 2 days and send them back in a prepaid envelope. We email or post your results back in 48 hours.



## REFLUX

Reflux is the contents of the stomach (Acid, Pepsin and Bile) escaping through a valve at the top of the stomach and up into the esophagus and even into the airways causing a variety of symptoms.

There are many causes including poor diet, too much alcohol, use of certain pain killing drugs, stress and general lifestyle.

## REFLUX SYMPTOMS

Gastroesophageal Reflux Disease (GERD) is known for causing heartburn and regurgitation but when it reaches the throat and beyond it is referred to as Laryngopharyngeal Reflux (LPR) or Airway Reflux causing Sore Throat, Chronic Cough, a feeling of a lump in the throat, Post Nasal Drip, Persistent Throat Clearing, Voice Changes, Hoarseness, Asthma, Earache, and the loss of dental enamel.

## HOW DANGEROUS IS REFLUX?

Without early diagnosis and treatment Reflux can in time lead to damage to the Esophagus (erosive esophagitis) and a condition called Barrett's Esophagus that in some cases leads to Esophagus cancer. In some cases it is also possible for cancer of Larynx