PreMD Inc.

# PREDICT > TO PREVENT

## Profile

- > Screening test for early-stage lung cancer
- > Stratifies smokers to increase efficiency of more costly diagnostic tests
- > Non-invasive, simple test that does not require blood sample
- > Lung cancer is the leading cause of cancer death; currently no effective screening tests available


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## LungAlert™

### Lung Cancer
- > Leading cause of cancer death in the world
- > 181,760 deaths expected in North America in 2006
- > No effective screening tests currently available
- > Only 16% of lung cancers are detected at an early, localized stage

### How it Works
- > Identifies a cancer-associated sugar in a sputum sample
- > Convenient sample collection – patient coughs into a cup
- > Sample treated with reagents and changes color
- > Color change measured with spectrophotometer to generate test result

### Target Smokers
- > 85% of lung cancer patients are current or former smokers
- > Detecting lung cancer must start by targeting smokers
- > LungAlert may be an effective tool for stratifying smokers and former smokers at risk for cancer
- > Worldwide, one in three adults over age 15 (1.1 billion people) is a smoker

### Simple, Non-Invasive Test
- > Sample collected at lab or at routine doctor visit
- > No patient preparation or dietary restrictions required

### Making Screening Possible
- > Chest x-ray and sputum cytology are costly procedures ineffective for screening
- > LungAlert detected over half of all cancers in recent and ongoing studies
- > LungAlert may serve as low-cost "gatekeeper" for more costly diagnostic tests

### Patent and Regulatory Status
- > LungAlert has not been submitted for regulatory approval in any jurisdiction
- > 22 patents issued and pending in key markets on the mucus sample technology and nine related to color measurement process