## ELISA-VIDITEST Pseudomonas aeruginosa



### **VIDIA new immunoenzymatic kits**

• intended for quantitative determination of specific IgG antibodies against *Pseudomonas aeruginosa.* 

... the way to the correct results



#### **Serological diagnostics**

*Pseudomonas aeruginosa* is a common nosocomial pathogen. It represents 10–20 % of all infections acquired in a hospital. It is naturally resistant to many antibiotics used in clinical practice. Early detection of pseudomonas infection using serological diagnostics helps to select appropriate treatment, delay the chronic phase of infection, prevent the transmission of infection between patients and reduce the incidence of new infections.

### **Assay benefits**

- Quantitative evaluation of antibodies
- Determination of antibody concentration (AU/ml) using the *E-CALCULATOR* software
- Sample: human serum and plasma



### **ELISA-VIDITEST**

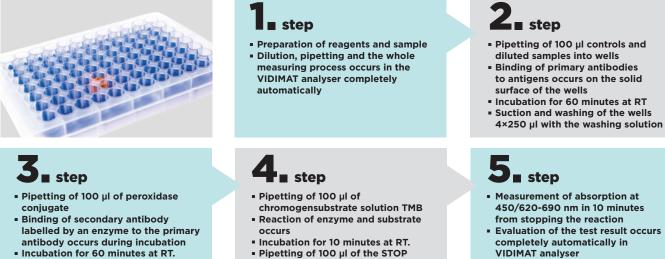
Kits come from our own research, development and production.

We are VIDIA spol. s r. o. Czech biotechnological company with a wide range of kits for diagnostic examination. We develop our products with high quality.

# ELISA-VIDITEST Pseudomonas aeruginosa

*Pseudomonas aeruginosa* is a common gram-negative opportunistic multi-resistant pathogen that causes acute and chronic infections, especially in immunocompromised patients. It is the most prevalent bacterium in the lungs of patients with cystic fibrosis (CF). Acute infection at an early stage is associated with a planktonic lifestyle and shows high expression of virulence factors (VF). Chronic infection is characterized by low VF levels and high resistance to antibiotic treatment, mainly due to biofilm formation. Chronic *P. aeruginosa* infection is the primary cause of increased morbidity and mortality in CF. Chronic infection in most patients is preceded by a stage of intermittent colonization. Then there is the emergence of mucoid variants of colonizing strains and the rise of antibodies against *Pseudomonas aeruginosa.* Immunoenzymatic ELISA-VIDITEST kits are designed to monitor the course of early colonization and infection by determining the diagnostic value of growing *anti-Pseudomonas* antibodies. They help to identify patients with already proven chronic infection as well as patients at risk of developing chronic *Pseudomonas aeruginosa* infection.

### Test principle and the procedure step by step



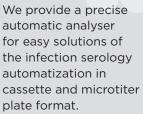
solution

 Incubation for 60 minutes at RT.
Suction and washing of the wells 4×250 µl with the washing solution

### **Measurement benefits**

- Quantitative evaluation of IgG antibodies
- Determination of antibody concentration in the examined sample (AU/mI) using the *E-CALCULATOR* program
- Quantitative evaluation using five standards
- A mixture of purified specific antigens
- Sample: human serum and plasma
- High diagnostic specificity and sensitivity
- Color-coded reagents r.t.u.
- Unified incubation times, temperatures, reagents for ELISA-VIDITEST and MONO-VIDITEST anti-Pseudomonas

### VIDIMAT











Meridian Healthcare srl Via Caronda, 446 - 95100 Catania -ITALY