

MONO-VIDITEST

Pseudomonas aeruginosa



Color enhanced scanning electron micrograph (SEM) of *Pseudomonas aeruginosa*.

VIDIA new immunoenzymatic kits

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

... the way
to the correct
results



IgG
ANTIBODY RESPONSE

a proof of later phase of active
and chronic infection

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.

Benefity souprav

- Cassette single-use format
- Quantitative evaluation of IgG antibodies
- More comfortable usage for one sample
- Samples: serum, plasma



MONO-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.

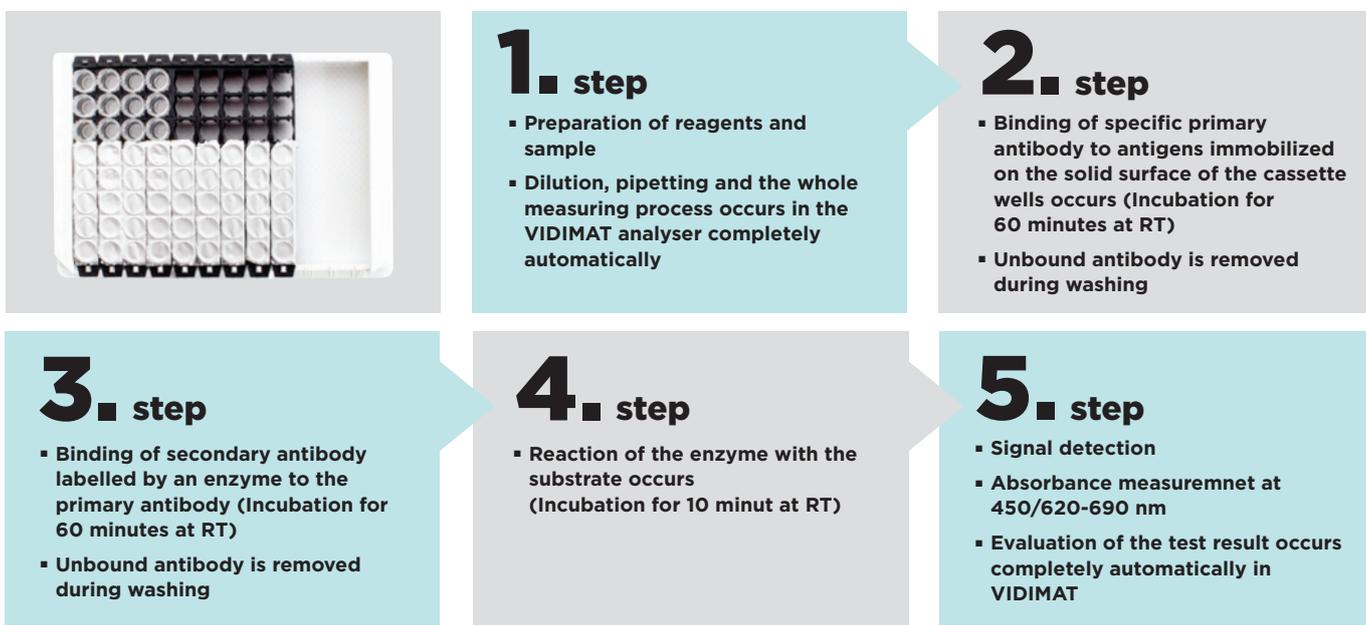
MONO-VIDITEST

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 kits in cartridge format, MONO-VIDITEST, 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



Benefits of the measurement

- Quantitative determination of IgG antibodies
- Sample: serum and plasma
- Reagents are part of the cassette
- More comfortable usage for one or more samples at once
- Unified incubation times, temperatures, reagents for all MONO-VIDITEST and ELISA-VIDITEST *anti-Pseudomonas*
- Evaluation of the test result occurs completely automatically in VIDIMAT



VIDIA soupravy



REF	Products	Evaluation	Incubation	Sample	Numbers of tests	VIDIMAT
	MONO-VIDITEST					
KZ-430-12	anti- <i>Pseudomonas aeruginosa</i> IgG	quant.	60' / 60' / 10'	serum, plasma	12	✓ NEW



VIDIA spol. s r.o.
Nad Safinou II 365, 252 50 Vestec
Czech Republic

tel.: +420 261 090 565
fax: +420 261 090 566

e-mail: info@vidia.cz
www.vidia.cz

