



Protzek

Gesellschaft für
Biomedizinische Technik mbH

Analyzer System

P.I.A.²



**Drugs of Abuse and
Pharmaceutical Drug
Analysis**

The only **mobile analyzer
system worldwide!**

Competitive edge through...

P.I.A.² is the only mobile reagent system worldwide for the analysis of drugs of abuse and pharmaceutical drugs in a variety of sample materials. **P.I.A.²** may be used at any time and in any place. Compared to visual interpretations, **P.I.A.²** is more reliable, more accurate, and also well suited for sandwich assays.

Sample material

- Urine
- Saliva (Oral Fluid)
- Whole Blood/Serum/Plasma
- Substances
- Surfaces
- Skin (Sweat)

... Research and Development

The **P.I.A.²** system generation is the result of our own in-house research and development. Combining reliability and precision with our proprietary reagents, **P.I.A.²** is the perfect system for routine use.

Parameters

- Amphetamine
- Barbiturates
- Benzodiazepines
- Buprenorphine
- Cannabinoids
- Cocaine
- Creatinine
- EtG (Ethyl glucuronide)
- Fentanyl
- GHB
- Ketamine
- Morphine
- Methamphetamine
- MDMA / Ecstasy
- Methadone Metabolite (EDDP)
- Methadone
- Opiates
- Ritalin (Methylphenidate)
- Tramadol
- Tricyclic Antidepressants
- Zolpidem



The illustration shows a pipette with a defined fill volume and a multi-test cassette.

Competitive Edge

- Intuitive operation
- Self-explanatory menu
- Well-established, proven system
- etabliertes System
- Suitable for centralized/decentralized use
- Easy handling
- Fast evaluation
- Auswertung
- Documentation via printer and/or software

Technical Data

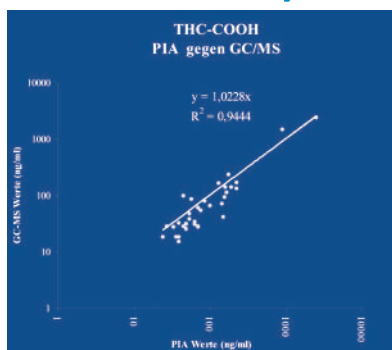
- Weight: 800 g
- Dimensions in mm: 210 x 130 x 50/70
- Power: AC adapter or battery
- Battery life: up to 8 hrs.
- Memory: up to 3000 patient data sets
- Languages:
German, French, English, Italian,
Spanish, Swedish, Portuguese



Method Comparisons

Scientific studies have shown that our analyzer system is comparable to state-of-the-art laboratory methods.

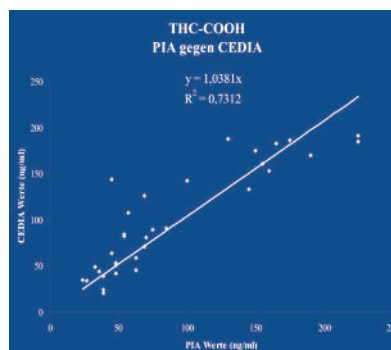
P.I.A. vs. GC/MS



$$y = 1,0228x$$

$$R^2 = 0,9444$$

P.I.A. vs. CEDIA



$$y = 1,0381x$$

$$R^2 = 0,7312$$

Awards / Certificates

The Dr.-Rudolf-Eberle- Innovation-Prize of the Federal State of Baden-Württemberg is awarded to medium-sized enterprises in industry and the crafts who have successfully implemented technical innovations.



Sample Material

The **P.I.A.²** provides a virtually unlimited range of applications and may be easily tailored to individual customer requirements.

Urine



P.I.A. ^{Urine}

For the detection of drugs of abuse and pharmaceutical drugs in **urine**, the user can choose from two different evaluation modules:

P.I.A. ^{select} and **P.I.A.** ^{quant}

Saliva



P.I.A. ^{Saliva}

Simple metrological measurement of drugs of abuse and prescription drugs in **oral fluid**. Even minimal amounts of saliva are sufficient for analysis.

Surfaces



P.I.A. ^{Surface}

This test facilitates the determination of drug residues on various **surfaces**, even if they are not visible to the human eye.

Substances



P.I.A. ^{Substance}

Determination of drugs in unknown **substances** (tablets, plants and liquids).

Blood



P.I.A. ^{Blood}

Quantitative analysis of drugs of abuse and prescription drugs in **whole blood**, **plasma** and **serum**.

■ Made
■ in
■ Germany

Certified Proof of Origin

Christoph Protzek
CEO

Timo Protzek
CEO

Dear Madam, dear Sir,

Customers are used to expect innovative quality products, product safety and transparent production processes. Innovative products from German companies are highly appreciated both at home and abroad. "Made in Germany" has become the hallmark for innovation and highest quality. It is a proof of origin that is well-known and renowned all over the world.

The certified proof of origin "Made in Germany" guarantees that

- the major part of production is carried out in Germany
- the value added is created in Germany
- Quality assurance follows German standards and technical requirements
- Quality assurance is controlled by an annual audit

Our proprietary research and development led to our competitive edge, enabled us to develop customized products and to respond directly to our customers' requirements.

As a company with the certificate "Made in Germany", our name stands for highest quality in manufacturing, product innovation and security.

Yours sincerely,



Christoph Protzek



Timo Protzek

ZERTIFIKAT


TÜV NORD CERT Standard A75-S018
„Zertifizierter Herkunftsnachweis“

Der Nachweis der regelwerkskonformen Anwendung wurde erbracht und wird gemäß
TÜV NORD CERT-Verfahren bescheinigt für

**Protzek, Gesellschaft für
Biomedizinische Technik mbH**
Tüllinger Straße 36a
79539 Lörrach
Deutschland



Das Zertifikat bezieht sich auf die Produkte:

In-Vitro-Diagnostika der Produktlinien Check 24 und P.I.A.



Anhand eingehender Untersuchungen durch die TÜV NORD CERT GmbH
als unabhängige externe Zertifizierungsstelle konnte nachgewiesen
werden, dass die Forderungen des TÜV NORD CERT Standards
„Zertifizierter Herkunftsnachweis“ erfüllt sind.

Das Zertifikat darf nur für die im Geltungsbereich aufgeführten Produkte
des Herstellungslandes gemäß den Kriterien des TÜV NORD CERT
Standards A75-S018 verwendet werden.

Zertifikat-Registrier-Nr. 44 771 111002
Audit Bericht Nr. 3508 0863

Gültig bis 2019-05-27

Krawzinski

Zertifizierungsstelle der
TÜV NORD CERT GmbH

Essen, 2014-05-28

Diese Zertifizierung wurde gemäß TÜV NORD CERT-Verfahren zur Auditierung und Zertifizierung durchgeführt und wird
regelmäßig überwacht.

TÜV NORD CERT GmbH

Langemarckstraße 20

45141 Essen

www.tuev-nord-cert.de

P.I.A.²

SD Card
Lot directory



Printer
Optional



Printout
Test protocol



Test cassette
1 to 11 parameters



Drawer
Custom-fit (test cassette)



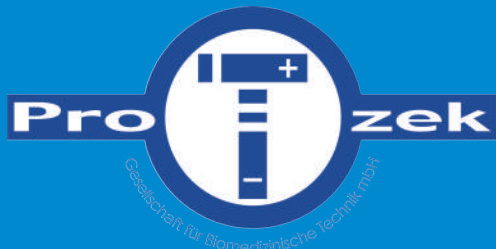
Included in Delivery:

- Handy carrying case
- P.I.A.² (Analysis system)
- Printer (optional)
- AC- and car adapter
- Drawer
- USB cord
- Cleaning brush
- Screwdriver

Outlook

Available soon also for Sandwich assays,
such as: NT-proBNP, Troponin, CRP...

Analysis System



Deutschland

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