



# 2025 PRODUCT OVERVIEW

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# About us

## Company profile

MEDICHEM Diagnostica has more than 30 years experience in development and production of In-vitro-diagnostics.

MEDICHEM Diagnostica has been founded by Atou Khalide Lô in 1986. In 1998 his son Insa Lô joined the company as a partner, he finally became managing director in 2004.

In 1989, MEDICHEM began working closely with forensic institutes and medical laboratories to develop reference materials for quality control of toxicological and forensic analyses.

Soon after, MEDICHEM was commissioned with the manufacture of control samples for proficiency tests. These samples were used both nationally and internationally as external quality controls by reference institutions, beginning with the DGKL (German Society for Clinical Laboratory Medicine, formerly DGKC), the GTFCh (Society of Toxicological and Forensic Chemistry in Germany), the CSCQ (Centre Suisse de Contrôle de Qualité) and the SFTA (Société Française de Toxicologie Analytique), among others.



**MEDICHEM** has developed into a leading company in the manufacture and development of reference materials with a comprehensive selection of analytes in various matrices (serum, whole blood, urine, hair, water) and relevant concentration ranges.

# Drugs of Abuse



## Medidrug® Reference Materials:

### Drugs of Abuse

- **DOA S** - 35 analytes
- **DOA VB** - 38 analytes
- **DOA H-d** - 64 analytes
- **Chemical-toxicological analysis** (*Evaluation for driving fitness*)  
**CTU confirm U** - 65 analytes  
(according to the current guideline by DGVP & DGVM (2022-11))
- **Workplace Drug Testing**  
**WDT confirm U** - 66 analytes  
(according to the current guideline by EWDTS (2022-10))

S = Serum | VB = Whole Blood | U = Urine | H = Hair | W = Water  
a = authentic | d = spiked

# Alcohol



## Medidrug<sup>®</sup> Reference Materials:

### Alcohol Congener

- BGS S - 11 analytes

### Alcohol Congener

- BGS W - 11 analytes

### Alcohol

- Ethanol S - 1 analyte

### Alcohol

- ALC VB - 4 analytes

### Alcohol

- Ethanol W - 1 analyte

S = Serum | VB = Whole Blood | U = Urine | H = Hair | W = Water  
a = authentic | d = spiked



# Alcohol Consumption Markers



## Medidrug® Reference Materials:

### Alcohol Consumption Markers

- **EtG H-d - 1 analyte**
  - Ethyl glucuronide
- **ALCM H-a authentic - 2 analytes**
  - Ethyl glucuronide
  - Ethyl palmitate
- **ALCM S - 2 analytes**
  - Ethyl glucuronide
  - Ethyl sulfate
- **ALCM U - 2 analytes**
  - Ethyl glucuronide
  - Ethyl sulfate
- Pure substance:
  - Ethylglucuronid
  - Ethylglucuronid-D5

S = Serum | VB = Whole Blood | U = Urine | H = Hair | W = Water  
a = authentic | d = spiked

# Others



## Medidrug<sup>®</sup> Reference Materials:

### Barbiturates:

- **Thiopental S - 1 analyte**

### Toxicological Analysis for Brain Death Diagnostics

- **TABD S - 11 analytes**

### Benzodiazepines

- **Benzodiazepine S - 27 analytes**

### Opioid Substitution Drugs:

- **OSD S - 8 analytes**
- **OSD VB - 8 analytes**
- **OSD U - 8 analytes**

### Blank Matrices:

- **Basis-line S - 91 analytes**
- **Basis-line VB - 76 analytes**
- **Basis-line U - 79 analytes**
- **Basis-line H-a - 62 analytes**

S = Serum | VB = Whole Blood | U = Urine | H = Hair | W = Water  
a = authentic | d = spiked

# Contact



All products conform to:  
IVD Directive 98/79/EC  
(Transition period until 31.12.2029 acc. to Regulation (EU) 2024/1860)



Certified quality management according to:  
DIN EN ISO 9001:2015  
DIN EN ISO 13485:2016

*Certificates on request.*

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