

**Information über die Parameter im flexibel akkreditierten Bereich  
(Untersuchungsverfahren LC-MS/MS nach DIN EN ISO/IEC 17025:2018)  
gemäß EA-2/15M:2019  
TOXILAB Ludwigsburg  
Labor für Toxikologie und Drogenuntersuchungen GmbH  
Mörikestr. 28/2, 71636 Ludwigsburg**

Stand: 06/2024

| Analyt (Messgröße)     | Prüfgegenstände (Matrix)   | Prüftechnik | Anweisung/Version                   |
|------------------------|----------------------------|-------------|-------------------------------------|
| <b>Amphetamine:</b>    |                            |             |                                     |
| Amphetamin             | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| Methamphetamin         | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| MDMA                   | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| MDEA                   | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| MDA                    | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| <b>Benzodiazepine:</b> |                            |             |                                     |
| Diazepam               | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| Nordiazepam            | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| Oxazepam               | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F              |
| Alprazolam             | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A621/E<br>TO2A623/M              |
| Hydroxy-Alprazolam     | Urin                       | HPLC-MS/MS  | TO2A623/M                           |
| Bromazepam             | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| Hydroxy-Bromazepam     | Urin                       | HPLC-MS/MS  | TO2A623/M                           |
| Flunitrazepam          | Serum, Plasma, Haare       | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F              |
| 7-Aminoflunitrazepam   | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| Lorazepam              | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| Nitrazepam             | Serum, Plasma              | HPLC-MS/MS  | TO2A621/F                           |
| Aminonitrazepam        | Serum, Urin                | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| Tetrazepam             | Serum, Plasma, Urin        | HPLC-MS/MS  | TO2A621/E<br>TO2A623/M              |
| Flurazepam             | Serum, Plasma              | HPLC-MS/MS  | TO2A621/F                           |

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|--|----------------------------|-------------|-------------------------------------|
| Desalkyl-Flurazepam                                | Serum, Plasma, Urin        | HPLC-MS/MS  | TO2A621/F<br>TO2A623/M              |
| LSD (Lysergsäurediethylamid)                       | Urin                       | HPLC-MS/MS  | TO2A626/B                           |
| <b>Cannabinoide:</b>                               |                            |             |                                     |
| delta9-Tetrahydrocannabinol (THC)                  | Haare, Serum, Plasma       | HPLC-MS/MS  | TO2A625/E<br>TO2A617/S              |
| 11-Hydroxy-delta9-Tetrahydrocannabinol (11-OH-THC) | Serum, Plasma              | HPLC-MS/MS  | TO2A625/E                           |
| THC-COOH   | Urin, Serum, Plasma        | HPLC-MS/MS  | TO2A625/E<br>TO2A623/M              |
| <b>Cocain:</b>                                     |                            |             |                                     |
| Benzoylcegonin                                     | Urin, Serum, Plasma, Haare | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| m-OH-Benzoylcegonin                                | Haare                      | HPLC-MS/MS  | TO2A628/A                           |
| Cocain   | Haare, Serum, Plasma       | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A628/A |
| Cocaethylen  | Haare                      | HPLC-MS/MS  | TO2A628/A                           |
| Ecgoninmethylester                                 | Serum, Plasma              | HPLC-MS/MS  | TO2A621/F                           |
| Norcocain  | Haare                      | HPLC-MS/MS  | TO2A628/A                           |
| <b>Methadon:</b>                                   |                            |             |                                     |
| Methadon   | Haare, Urin                | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F              |
| EDDP   | Haare, Urin                | HPLC-MS/MS  | TO2A617/S<br>TO2A623/F              |
| <b>Opiate:</b>                                     |                            |             |                                     |
| 6-Monoacetylmorphin                                | Serum, Plasma, Haare       | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F              |
| Morphin  | Urin, Serum, Haare, Plasma | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| Codein   | Urin, Serum, Haare, Plasma | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| Dihydrocodein                                      | Urin, Serum, Haare, Plasma | HPLC-MS/MS  | TO2A617/S<br>TO2A621/F<br>TO2A623/M |
| <b>Opioide:</b>                                    |                            |             |                                     |
| Buprenorphin                                       | Urin, Haare                | HPLC-MS/MS  | TO2A617/S<br>TO2A624/D              |
| Norbuprenorphin                                    | Urin, Haare                | HPLC-MS/MS  | TO2A617/S<br>TO2A624/D              |

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| Tilidin                     | Urin, Haare                  | HPLC-MS/MS  | TO2A617/S<br>TO2A623/M |
| Nortilidin                  | Urin, Haare                  | HPLC-MS/MS  | TO2A617/S<br>TO2A623/M |
| Oxycodon                    | Urin, Haare                  | HPLC-MS/MS  | TO2A617/S<br>TO2A623/M |
| Tramadol                    | Urin, Haare                  | HPLC-MS/MS  | TO2A617/S<br>TO2A623/M |
| O-Desmethyltramadol         | Urin, Haare                  | HPLC-MS/MS  | TO2A617/S<br>TO2A623/M |
| Fentanyl                    | Urin, Haare                  | HPLC-MS/MS  | TO2A617/S<br>TO2A623/M |
| Norfentanyl                 | Urin, Haare                  | HPLC-MS/MS  | TO2A617/S<br>TO2A623/M |
| <b>Alkoholkonsummarker:</b> |                              |             |                        |
| Ethylglucuronid             | Urin, Haare                  | HPLC-MS/MS  | TO2A613/L<br>TO2A614/O |
| Ethylsulfat                 | Urin                         | HPLC-MS/MS  | TO2A613/L              |
| Phosphatidylethanol         | EDTA-Blut, Dried Blood Spots | HPLC-MS/MS  | TO2A627/B              |
| <b>Z-Substanzen:</b>        |                              |             |                        |
| Zolpidem                    | Urin                         | HPLC-MS/MS  | TO2A623/M              |
| Zopiclon                    | Urin                         | HPLC-MS/MS  | TO2A623/M              |
| Zaleplon                    | Urin                         | HPLC-MS/MS  | TO2A623/M              |

**Forensische Toxikologie, im Rahmen der Fahreignungsdiagnostik\*\***

| Norm / Ausgabedatum Hausmethode /<br>Version | Probenahmeverfahren   | Probenmatrix                     |
|--|---|----------------------------------|
| TO2V209/D                                    | Abnahme von Haarproben für<br>Abstinenzkontrollen im Rahmen<br>der Fahreignungsdiagnostik | Haare<br>(Kopf- und Körperhaare) |
| TO2V210/B                                    | Abnahme von Urinproben für<br>Abstinenzkontrollen im Rahmen<br>der Fahreignungsdiagnostik | Urin                             |
| TO2V211/A                                    | Abnahme von Blutproben für<br>Abstinenzkontrollen im Rahmen<br>der Fahreignungsdiagnostik | Blut                             |