

| | | FDT - Driver fitness testing in urine | | | | | |
|---------------------------|------------------------------|---------------------------------------|--------------|--------------|--|--|--|
| Product name | FDT | Cut-off | FDT - 25% | FDT + 25% | | | |
| Matrix | | | urine | urine | | | |
| Target values | | [µg/L] | [µg/L] | [µg/L] | | | |
| Amphetamines | d-Amphetamine | 50 | 37.5 | 62.5 | | | |
| | d-Methamphetamine | 50 | 37.5 | 62.5 | | | |
| | MDA | 50 | 37.5 | 62.5 | | | |
| | MDEA | 50 | 37.5 | 62.5 | | | |
| | MDMA | 50 | 37.5 | 62.5 | | | |
| | Mephedrone | 50 | 37.5 | 62.5 | | | |
| | MDPV | 50 | 37.5 | 62.5 | | | |
| | alpha PVP | 50 | 37.5 | 62.5 | | | |
| Cocaine Metabolite | Benzoylcegonine | 30 | 22.5 | 37.5 | | | |
| Opiates | Morphine | 25 | 18.8 | 31.3 | | | |
| | Codeine | 25 | 18.8 | 31.3 | | | |
| | Dihydrocodeine | 25 | 18.8 | 31.3 | | | |
| | 6-Acetylcodein | 5 | 3.75 | 6.25 | | | |
| | 6-MAM (6-Monoacetylmorphine) | 5 | 3.75 | 6.25 | | | |
| | Oxymorphone | 50 | 37.5 | 62.5 | | | |
| | Hydromorphone | 50 | 37.5 | 62.5 | | | |
| Benzodiazepines | 7-Aminoflunitrazepam | 50 | 37.5 | 62.5 | | | |
| | 7-Aminoclonazepam | 50 | 37.5 | 62.5 | | | |
| | Diazepam | 50 | 37.5 | 62.5 | | | |
| | alpha-OH-Alprazolam | 50 | 37.5 | 62.5 | | | |
| | Temazepam | 50 | 37.5 | 62.5 | | | |
| | Bromazepam | 50 | 37.5 | 62.5 | | | |
| | OH-Bromazepam | 50 | 37.5 | 62.5 | | | |
| | Nordiazepam | 50 | 37.5 | 62.5 | | | |
| | Oxazepam | 50 | 37.5 | 62.5 | | | |
| | Oxazepam Glucuronide | 50 | 37.5 | 62.5 | | | |
| | Lorazepam | 50 | 37.5 | 62.5 | | | |
| | Zolpidem-phenyl-4-COOH | 50 | 37.5 | 62.5 | | | |
| | Norzopiclone | 50 | 37.5 | 62.5 | | | |
| | ACP - Zopiclone Metabolite | 50 | 37.5 | 62.5 | | | |
| | 5-oxo-Zaleplon | 50 | 37.5 | 62.5 | | | |
| | Tetrazeepam | 50 | 37.5 | 62.5 | | | |
| | Nortetrazeepam | 50 | 37.5 | 62.5 | | | |
| Cannabinoids | THC-COOH | 10 | 7.5 | 12.5 | | | |
| | CBD | 10 | 7.5 | 12.5 | | | |
| | CBD-COOH | 15 | 11.3 | 18.8 | | | |
| Opioids | Buprenorphine | 1 | 0.75 | 1.25 | | | |
| | Norbuprenorphine | 1 | 0.75 | 1.25 | | | |
| | Methadone | 50 | 37.5 | 62.5 | | | |
| | EDDP | 50 | 37.5 | 62.5 | | | |
| | Fentanyl | 10 | 7.5 | 12.5 | | | |
| | Norfentanyl | 10 | 7.5 | 12.5 | | | |
| | Tilidine | 50 | 37.5 | 62.5 | | | |
| | Nortilidine | 50 | 37.5 | 62.5 | | | |
| | Tramadol | 50 | 37.5 | 62.5 | | | |
| | O-Desmethyltramadol | 50 | 37.5 | 62.5 | | | |
| | Oxycodone | 50 | 37.5 | 62.5 | | | |
| | Noroxycodone | 50 | 37.5 | 62.5 | | | |
| Others | EtG | 100 | 75 | 125 | | | |
| | ETS | 100 | 75 | 125 | | | |
| | GHB | 10 000 | 7 500 | 12 500 | | | |
| | Pregabalin | 50 | 37.5 | 62.5 | | | |
| | Ketamine | 50 | 37.5 | 62.5 | | | |
| | Norketamine | 50 | 37.5 | 62.5 | | | |
| | Dehydronorketamine | 50 | 37.5 | 62.5 | | | |
| | Mitragynine | 5 | 3.75 | 6.25 | | | |
| REF | | | 13UR020A_n2 | 13UR020B_n2 | | | |
| | | | 10 x 2.0 mL | 10 x 2.0 mL | | | |
| Price in € / Unit | | | 498,- | 498,- | | | |

Accuracy control for internal quality assurance procedures in forensic analytics, alcohol, and drug screening within MPU requirements, using the evaluation criteria of the German driving aptitude test. Target values are +/- 25% above/below the defined cut-off values of the Federal Highway Research Institute (BAST). In November 2022, the criteria for driver fitness assessment were reviewed and partially adapted by the DGVM and DGVP (4th edition). However, at the time of production of the current lots, the new criteria were not yet available and, therefore, could not be considered. The control material consists of human-based urine spiked with narcotics, drugs, and alcohol consumption markers. Target values are determined by laboratories accredited according to DIN ISO/IEC 17025 for forensic toxicology using GC/MS and LC/MS/MS and according to the GTVCh guidelines. In addition, the target values are controlled according to RILBAK guidelines. The respective data are available on www.acq-science.de.