

**Complete Recovery
In Minutes-All Analytes**

- ✓ CODEINE
- ✓ OPIATES
- ✓ 6-MAM
- ✓ OPIOIDS
- ✓ (NOR)FENTANYL
- ✓ BENZODIAZEPINES
- ✓ CANNABINOIDS
- ✓ SYNTHETIC CANNABINOIDS
- ✓ STEROIDS
- ✓ SYNTHETIC CATHINONES
- ✓ TRICYCLICS ANTIDEPRESSANTS
- ✓ MUSCLE RELAXANTS
- ✓ ANTIEPILEPTICS
- ✓ XENOBIOTICS



The β -glucuronidase Experts

Hydrolyze.Analyze™

Distributors



CONTACT INFORMATION

www.kurabiotec.com

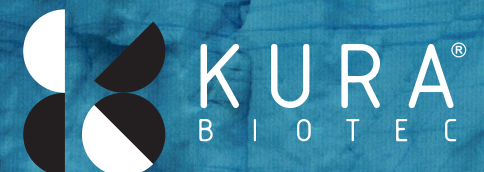
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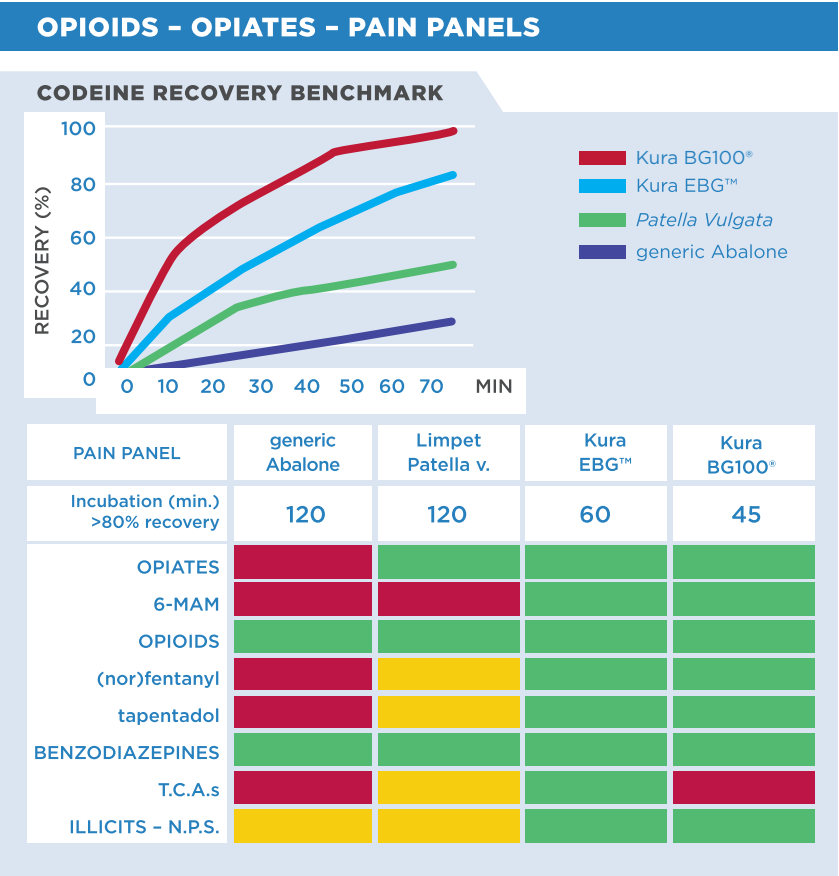
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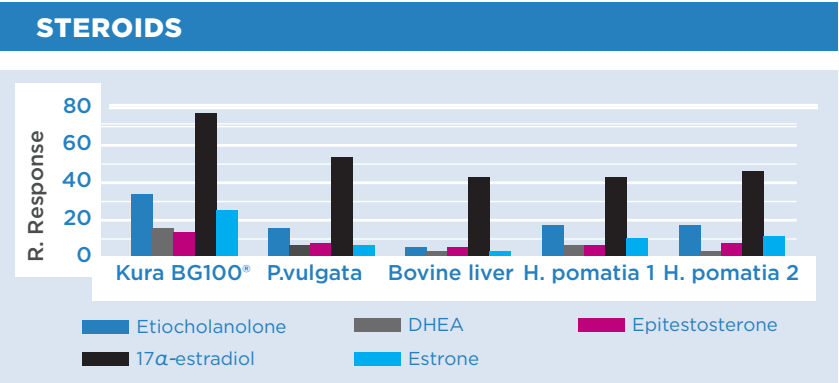
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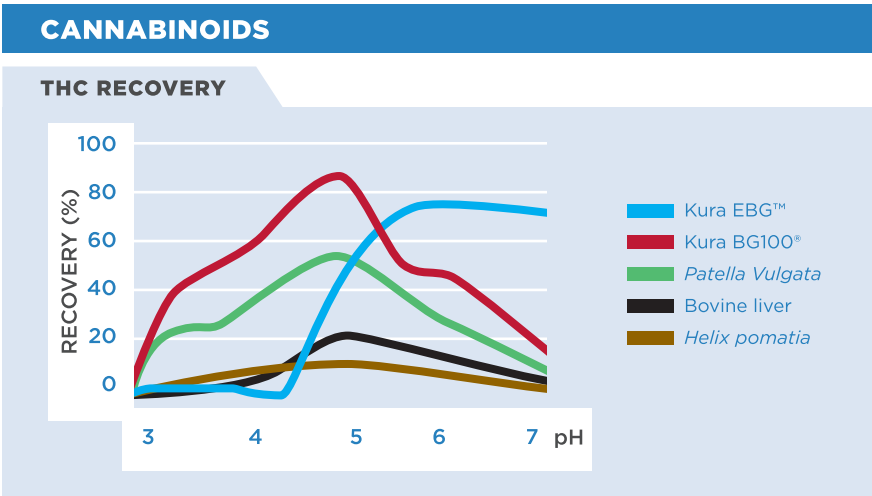
A Beta-glucuronidases catalogue validated for forensic toxicology, WPDT, TDM and anti-doping.



SAMHSA compliant protocol available.
Fully-automated (Nor)buprenorphine hydrolysis in only 10 minutes with BG100®.



All steroids in 60 minutes without conversions.
WADA compliant protocol available.

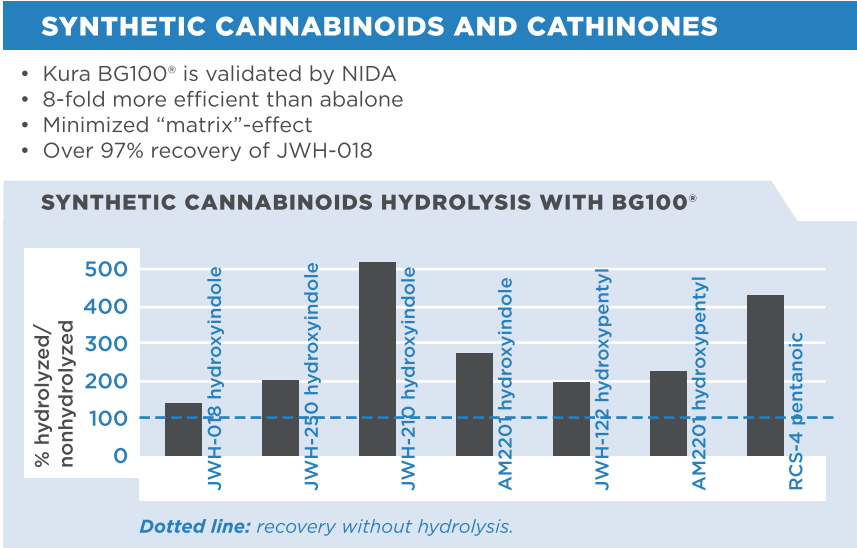


- FLASH-hydrolysis of carboxy-THC (THCA).
- Rule-out false-claims of passive-smoking in oral fluid.
- Multiple cannabinoids quantitation.

BENZODIAZEPINES

Incubation time	>85% recovery	>95% recovery
Helix pomatia	120 min	180 min
Kura BG100®	3 min	9 min
Kura EBG™	9 min	15 min
Kura EBG™ (RT)	20 min	30 min

Validated with spiked urine and real samples. RT: room temperature.



Kura EBG™ β-glucuronidase solution
from overexpressing recombinant *E. coli* ±30,000,000 u/g protein

Conditions: pH 6.5-7.0, 20-50°C.

Sample prep: on-column-hydrolysis and dilute-shoot compatible.

Applications: FORENSIC, WPDT, PAIN-PANEL, PDM, WADA, ANTIDOPING.

Best for: Tricyclics Antidepressants (TCAs), benzodiazepines at R.T.

Kura BG100® β-glucuronidase solution
from genetically selected *Haliotis rufescens* ±30,000,000 u/g protein

Conditions: pH 4.0-5.0, 50-72°C.

Sample prep: on-column hydrolysis and dilute-shoot compatible.

Applications: FORENSIC, WPDT, PAIN-PANEL, PDM, ANTIDOPING.

Best for: Codeine, (nor)buprenorphine, (nor)fentanyl, benzodiazepines.

Kura BG2.5™ β-glucuronidase powder
from genetically selected *Haliotis rufescens* ±2,500,000 u/g

Conditions: pH 4.0-5.0, 50-72°C.

Sample prep: on-column hydrolysis and dilute-shoot compatible.

Applications: FORENSIC, WPDT, PAIN-PANEL, PDM, ANTIDOPING.

Best for: Codeine, (nor)buprenorphine, (nor)fentanyl, benzodiazepines.

Kura BAM™ β-glucuronidase/Aryl-sulfatase solution or powder
from genetically selected *Haliotis rufescens* >1,500,000 / >200,000 u/g

Conditions: pH 4.7 - 5.0, 52 - 62°C.

Sample prep: Protein precipitation + SPE, SLE or LLE.

Applications: FORENSIC, ANIMAL ANTIDOPING, STEROID PROFILING.

Best for: Steroids in animals, EPA and DHEA steroids, xenobiotics.

Kura AS™ Arylsulfatase powder
from genetically selected *Haliotis rufescens* ±40,000,000 u/g

Conditions: pH 4.7 - 5.5, 45 - 50°C.

Sample prep: Protein precipitation + SPE, SLE or LLE.

Applications: FORENSIC, ANIMAL ANTIDOPING, STEROID PROFILING.

Best for: Steroids in animals, EPA and DHEA steroids, xenobiotics.