

B-One™, BGTurbo® Glycerol Free & BGS™

Recombinant β -Glucuronidases and arylsulfatases for improved analytical efficiency and higher sample throughput

The detection of drug and medication abuse is never merely routine. Each analyte requires the best possible sample preparation. With the β -glucuronidase and arylsulfatase solutions from finden KURA, we provide the appropriate enzymes for your lab.

Product characteristics

- The recombinant design of the KURA products ensures consistent lot-to-lot quality
- The enzymes' high purity protects your columns, thus extending their lifetime
- No interference through secondary enzymes and contaminants
- Short incubation times at room temperature facilitate automated workflow
- Particularly suitable for laboratories with a high sample throughput
- Long shelf life – 12 months at 2-8°C or up to 3 months at ambient temperature

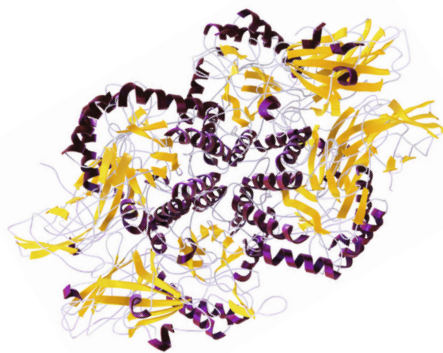
Background

Both glucuronidation and sulfation play an important role in the human body. They are particularly important in the metabolism of various medications, drugs, and hormones, e.g., steroids. Both increase the solubility of substances, thus facilitating renal excretion.

However, glucuronides and sulfates impair direct analysis and quantification. To be able to detect the free analytes, β -glucuronidases and arylsulfatases are used to cleave the

conjugates from the metabolite, converting them back to the original substance.

Clinical and forensic laboratories use these enzymes to ensure accurate results when quantifying analytes by mass spectrometry, for example in urine. During this process, the efficiency of both β -glucuronidase and arylsulfatase is highly dependent on the source and production process of the respective enzymes.



B-One™ (All in One)

- Recombinant β -Glucuronidase for flash hydrolysis at room temperature
- Highly efficient and rapid hydrolysis for a wide range of conjugates
- Ready for use
- Reliable results for clinical and forensic laboratories with high sample throughput



BGTurbo® Glycerol Free

- Highly efficient recombinant β -Glucuronidase, also for glucuronides that are difficult to cleave
- Extremely pure aqueous enzyme for reliable results
- Purified and standardized – without interfering substances and undesired side effects
- More than 85% of all conjugated analytes are hydrolyzed in less than 10 minutes
- Suitable for clinical and forensic laboratories with high sample throughput



BGS™

- Recombinant β -Glucuronidase / Arylsulfatase Mix
- Simultaneous hydrolysis of glucuronide and sulfate components in a single efficient step
- Consistent lot-to-lot concentrations of β -glucuronidase and arylsulfatase



Product	Kit Size
B-One™ (All in One)	
B-One™ Recombinant β -Glucuronidase	B-One – 50 mL
B-One™ Recombinant β -Glucuronidase	B-One – 100 mL
BGTurbo® Glycerol Free	
BGTurbo® Glycerol Free Recombinant β -Glucuronidase	BGTgf – 10 mL
BGTurbo® Glycerol Free Recombinant β -Glucuronidase	BGTgf – 20 mL
BGTurbo® Glycerol Free Recombinant β -Glucuronidase	BGTgf – 100 mL
BGS™	
BGS™ Recombinant β -Glucuronidase / Arylsulfatase Mix	BGS – 10 mL

Specialty  Diagnostix

Middle East Headquarters
MAKA Medical Requisites Trading LLC
 301-20, Open Hub Business Center, 54
 Almaktoom Rd. DeiraRiggat Al Buteen
 Almasoud Tower, Dubai UAE
 Phone +966 505 65 2209
 malfarra@specialtydiagnostix.de
 www.specialtydiagnostix.de