

**KURA BIOTEC**

**Kura Biotec** is a biotech company with offices in California and a unique enzyme extraction laboratory in Patagonia-Chile. This is how Kura Biotec manufactures, serves and guarantees the best beta-glucuronidase and other ocean-fresh enzymes for analytical toxicology and diagnostic laboratories.

**Inspired by Nature, Moved by Science.** What started as a way of sustainably recycling byproducts from a family owned abalone-farm took a five-year R&D-ride to give birth to the purest and fastest known beta-glucuronidase. Yet certainty and repeatability are paramount to efficiency. "Some large US drug-testing laboratories have done over two years of testing before validating the BG100" reminds M. Rozas (CEO). Kura Biotec puts consistency high on the list and has a total-control strategy "from the source to your lab".

**Consistent, fast and accurate detection of conjugated drugs and xenobiotics.** Long-time preferences for preparations from snail (*Helix pomatia*) or limpets (*Patella vulgata*) have been left behind. Kura Biotec's Red abalone (*Haliotis rufescens*) enzymes dramatically improves hydrolysis, sample preparation and your results.

**Kura Biotec commit to analytical toxicology****...for enzymes for analytical toxicology**

- + Active enzymes guaranteed.
- + Clean Sample Preps, always.

**... for Red Abalone enzymes**

- + Consistent product: from our Patagonia sea-farm to your lab.
- + Ocean-fresh enzymes yielding the highest hydrolysis rates.
- + From sustainable abalone farms only.

**YOUR GUARANTY: 100% SATISFIED OR REFUNDED****Sharp and aKURAt<sup>e</sup>  $\beta$ -glucuronidase****BG100  $\beta$ -glucuronidase solution from Ocean-fresh Red Abalone \* never freeze-dried \***

- + benzodiazepines, opioids, opiates, codeine (anabolic) steroids, (synthetic) cannabinoids, CBD, ...
- + reduced incubation time down to 20-90 min. with recovery rates > 90% on most analytes
- + Highest recovery rate including on codeine-6-glucuronide (C6G)
- + suitable for high throughput uses (significantly less generated matrix-effect)
- + Increased purity for clearer readings, less maintenance and extended column lifetime

**BAM  $\beta$ -glucuronidase-Arylsulfatase Mix solution from Ocean-fresh Red Abalone**

- + drug-testing in animals such as racing horses and bovines
- + (anabolic) steroids such as corticosteroids, estrone, (epi)androsterone, DHEA
- + others: paracetamol, irinotecan, ezetimibe, isoprostanes, prostaglandins, flavonoids, quercetin...
- + deconjugation of both glucuronide and sulfate conjugates

**EBG  $\beta$ -glucuronidase solution from recombinant *E. coli***

- + increased sensitivity of immunoassays, particularly online screening of benzodiazepines (BZD)
- + WADA-compliant antidoping testing
- + pure, transparent beta-glucuronidase solution
- + works at neutral pH, buffer is optional

**TESTIMONIES**

"...was more effective in cleaving than the *Helix-pomatia* variety..." "...is excellent with way better beta-gluc and sulfatase activity ..." much "cleaner" and easier to pipet... "...very consistent results with your product..." "Basically, we're rather ecstatic with our results that we're getting so far" ...

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