

IMCSzyme® RT

genetically modified β -glucuronidase

Built for **Accuracy**,
Optimized for *Speed*

Why Choose IMCSzyme® RT?

Our **first-in-class** enzyme is engineered to hydrolyze at **room temperature**; no heating required!

Maximum hydrolysis activity at a wide **pH** range for **consistent**, high recoveries across diverse, **real-human samples**.

IMCSzyme® RT **hydrolyzes 97%** of codeine-6- β -glucuronide (5,000 ng/mL) at room temperature within **15 minutes**.

The only enzyme that is **resistant** to naturally-occurring **inhibitors** found in human urine.

Developed for fully **automated**, high throughput testing.

**Fast, clean,
and accurate
results...**

Room temperature
incubation in just
**15 minutes
or less.**

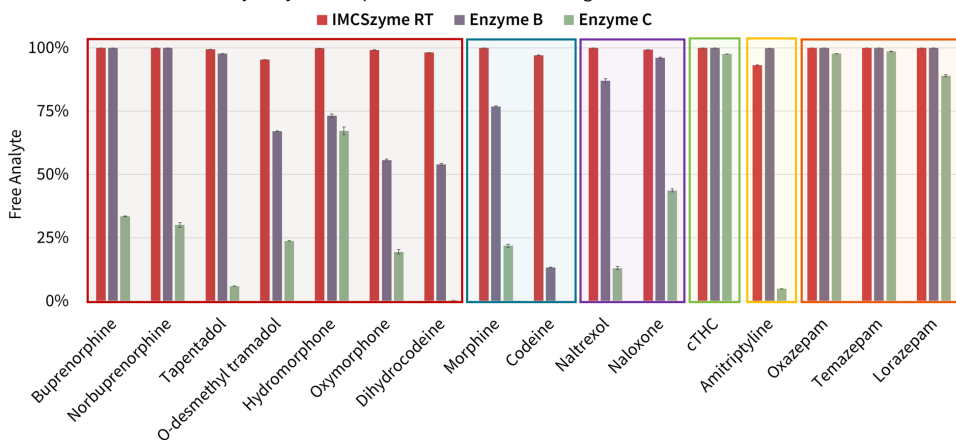


IMCSzyme® RT Performance

Certified drug-free human urine samples were fortified with 16 glucuronide standards (5,000 ng/mL each when liberated). 50 µL of fortified human urine was mixed with 165 µL of master mix and incubated at room temperature for 15 minutes.

Comparison between IMCSzyme® RT and two other recombinant enzymes in the market using *REAL* human urine

Hydrolysis Comparison with Certified Drug-Free Human Urine



IMCSzyme® RT completely hydrolyzed all 16 substrates within 15 minutes at room temperature with less than 5% RSD

The two other recombinant enzymes failed to complete hydrolysis within the same time frame at room temperature

ExpeRT Facts:

- IMCSzyme® RT is resistant to the naturally-occurring inhibitors found in human urine
- Our formula hydrolyzes with high activity across a broad range of substrates and pH levels
- Produced in the USA, in an ISO9001:2015 certified manufacturing facility

Get your enzyme shipped to you the next day!

[For more details, download our SOFT 2019 poster.](#)

Contact us for a free sample of IMCSzyme® RT!

MADE IN THE USA



www.imcstips.com/IMCSzyme-RT



+1 (888) 560-2073



inquiries@imcstips.com



IMCS, Inc.
110 Centrum Drive, Irmo, SC 29063 USA

IMCS
integrated micro-chromatography systems