

For research use only

# TokyoGREEN<sup>®</sup>- $\beta$ GlcU(Na)

Catalog No.	Material	Amount	Storage	Stability
SK4003-01	TokyoGREEN <sup>®</sup> - $\beta$ GlcU(Na)	1 mg (in 0.38 ml DMSO)	Store <-20 °C, desiccate and protect from light Storage of the DMSO/dye solution is NOT recommended	1 year (when unopened and stored as described)

TokyoGreen<sup>®</sup>- $\beta$ GlcU(Na) is permeable through the cell membrane and is a fluorescent substrate [9-(4-methoxy-2-methylphenyl)-6-oxo-6Hxanthen-3-yl- $\beta$ -D-glucuronide, sodium salt] used to detect  $\beta$ -glucuronidase. Non-fluorescent TokyoGreen<sup>®</sup>- $\beta$ GlcU(Na) is hydrolyzed by the  $\beta$ -glucosidase resulting in a bright fluorescent TokyoGreen<sup>®</sup>.

Non-fluorescent TokyoGreen<sup>®</sup>- $\beta$ GlcU(Na) is hydrolyzed by the  $\beta$ -glucuronidase, and generates bright fluorescent TokyoGreen<sup>®</sup>. TokyoGreen<sup>®</sup> has bright green fluorescence emitting at 510 nm when excited at 490 nm.

