Quick Manual

Beetle Lysis-Juice (1 02 512)

Components included:

Beetle Lysis-Juice	**100ml** Buffer for Screening with Beetle-Luciferase – without substrate. **Store at +4°C.**
D-Luciferin	**1 vial (A)→ for 100 ml Beetle Lysis-Juice** p. a. free acid, firefly (synth.). **Store at -20°C**.
ATP	**1 vial (B)→for 100 ml Beetle Lysis-Juice** Adenosintriphosphat, **Store at +4°C**.

Reconstruction:

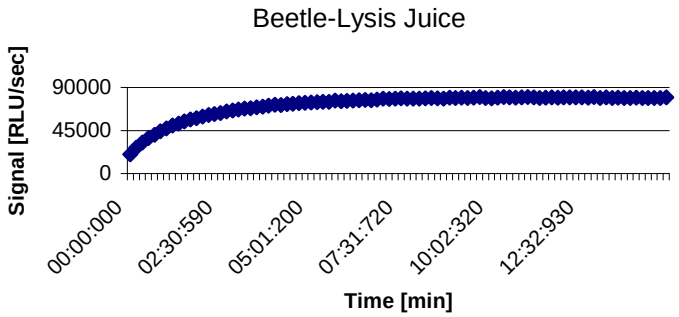
Beside the black buffer-bottle the kit is equipped with two further tubes which are labelled with **A** D-Luciferine and **B** ATP. D-Luciferine and ATP are white powders which have to be dissolved and mixed into the buffer by shaking gently. Afterwards the finished measuring buffer can be aliquoted and long-term stored at -80°C.

Note: Do not combine this buffer with marine luciferases because the buffer contains triton. The combination of triton with the substrate of marine luciferases (Coelenterazine) leads to autoluminescence.

Standard Protocol

Program Luminometer:
For the measuring we suggest measurement duration of 5 sec. and a delay of 2 sec. for each sample.

1.) Add 100 µl of **Beetle Lysis-Juice** to the cells (free of medium).
2.) To make sure the lysis was completed please mix the dissolved cells 3 times in the pipette tip.
3.) After that incubate the solution at least for 5 min. (up to 20 min. possible).
4.) Measurement starts after 2 sec. delay for 5 sec. duration.



PJK GmbH
Elsaesserstr. 51 - 66271 Kleinblittersdorf - Germany
Phone: +49 (0)6805-91 20 22 - Fax: +49 (0)6805- 91 20 24
info@pjk-gmbh.com, www.pjk-gmbh.com

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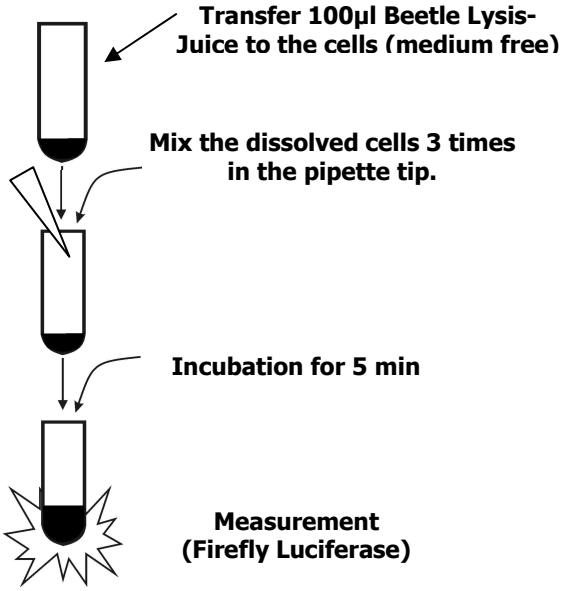
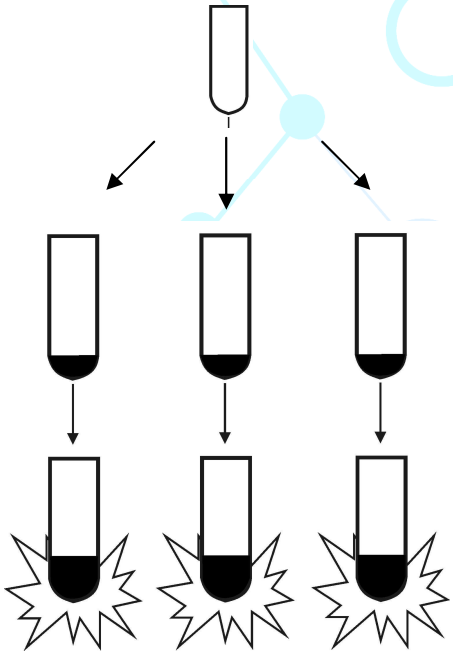
Standard procedure:



Program Luminometer
(delay 2sec./measurement duration 5sec)

Optional: parallel measurement in Duo- or Triple-Well System (Firefly/ Renilla/ Gaussia/AP/ βGal)

Split the Cell Lysate and transfer to different tubes for measuring several luciferases in one sample.



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