

Native *Vibrio fischeri* Luciferase

Cat. No. Luciferase-10V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native luciferase was purified from <i>Vibrio fischeri</i> . Partially purified, soluble extracts containing FMN-dependent luciferase and NADH- and NADPH-dependent FMN reductases. Produces light in a system containing FMN, NADH or NADPH, and n-decyl aldehyde.
Species	<i>Vibrio fischeri</i>
Source	<i>Vibrio Fischeri</i>
Description	Luciferase is a generic term for the class of oxidative enzymes used in bioluminescence and is distinct from a photoprotein. The name is derived from Lucifer, the root of which means "light-bearer" (lucem ferre).
Form	Partially purified lyophilized powder. Protein, ~40% biuret
Applications	Luciferase from <i>Vibrio fischeri</i> has been used in a study to assess kinetics of light emission and oxygen consumption by bioluminescent bacteria. It has also been used in a study to investigate the sensitivity of dark mutants of various strains of luminescent bacteria to reactive oxygen species.
Storage	-20°C

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