

Genofax C 500

Reporter gene detection - Renilla luciferase

Product Data Sheet

YELEN
ANALYTICS

Product Information

Reporter gene detection - Renilla luciferase

Reference: Genofax C 500

Storage Temperature: 1 years at 2-4°C for Renilla Buffer and Renilla Reconstitution

1 year at -18°C for Luminescent Renilla not reconstituted (2 months if reconstituted)

Technical Bulletin & Protocol

Product Description

The Genofax C kit is used to reveal the reporter gene of Renilla luciferase. The revelation is made according to the principle of bioluminescence described below:



Under the conditions of use described below and with a suitable luminometer, the response of the Renilla reagent is linear between 10^{-18} and 10^{-14} moles of Renilla Luciferase.

Components

The kit is sufficient for 500 assays.

1 Renilla luciferase bioluminescent reagent (**Luminescent Renilla**) (1,5 ml vial): storage at -18°C.

1 **Renilla Buffer** solution (50 ml bottle): storage at 2 to 4°C.

1 Reconstitution solution (**Renilla Reconstitution**) (1,5 ml vial): storage at 2 to 4°C.

Reagents and Equipment Required but Not Provided

Luminometer tube or microplate reader, vortex.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses.

Preparation Instructions

1. At the first use, reconstitute the vial of **Luminescent Renilla** with 600 µl of **Renilla Reconstitution**. Close the bottle cap and shake gently for 10 seconds.
2. Make an amber or opaque bottle of **Renilla Buffer** solution at the rate of 100 µl of buffer solution per test. Add inside this stock the **Luminescent Renilla** reagent at a rate of 10 µl per ml of Renilla Buffer solution, in order to form **ready to use Renilla reagent**.

Caution: Close the Renilla Luminescent vial and quickly replace it under storage conditions.

Procedures

All samples and standards should be run in duplicate or triplicate.

Sample Preparation

Before the luminescent assay reaction, samples have to be lysed with adapted lysis solution.

Luminescent Assay Reaction

1. Add 20 µl of sample to well or tube.
2. Add 100 µl of **ready to use Renilla reagent** to sample well or tube.
3. Immediately measure the luminescence of sample well or tube (recommended measuring time: 1 to 5 seconds).

Note: Reagent background control is obtained by use of 20 µl of non-transfected cell lysate or 20 µl of the lysis solution used instead of the sample.

Contact information

Further information on YELEN products, including product bibliographies, is available from our website. Please visit our website — <http://yelen-analytics.com> — for the most up-to-date information.

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