

Title (en)
TETRACYCLINE ASSAY METHOD

Title (de)
VERFAHREN ZUR BESTIMMUNG VON TETRAZYKLINEN

Title (fr)
PROCEDE DE DOSAGE DE TETRACYCLINE

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Application
EP 98952788 A 19981111

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Abstract (en)
[origin: WO9925866A1] The invention relates to a method for the determination of a tetracycline in a sample. The method is characterized in that the sample is brought into contact with prokaryotic cells encompassing a DNA vector including a nucleotide sequence encoding a light producing enzyme under transcriptional control of a tetracycline repressor and a tetracycline promoter, detecting the luminescence emitted from the cells, and comparing the emitted luminescence to the luminescence emitted from cells in a control containing no tetracycline. The invention also concerns recombinant prokaryotic cells capable of emitting light in response to the existence of a tetracycline in a sample. Furthermore, the invention relates to novel DNA vectors useful for the construction of said prokaryotic cells.

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