

Title (en)

METHODS FOR ASSAYING SUBCELLULAR CONDITIONS USING ENERGY TRANSFER

Title (de)

VERFAHREN ZUR UNTERSUCHUNG SUBZELLULÄRER ZUSTÄNDE MIT HILFE VON ENERGIETRANSFER

Title (fr)

COMPOSITIONS ET PROCEDES D'ANALYSE DE CONDITIONS INFRACELLULAIRES ET TRAITEMENT PAR TRANSFERT D'ENERGIE

Publication

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Application

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Abstract (en)

[origin: WO0079274A2] The invention provides compositions and methods for monitoring subcellular compartments such as organelles by energy transfer techniques that do not require specific intermolecular affinity binding events between energy transfer donor and energy transfer acceptor molecules. Provided are methods for assaying cellular membrane potential, including mitochondrial membrane potential, by energy transfer methodologies including fluorescence resonance energy transfer (FRET). Diagnostic and drug screening assays are also provided.

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