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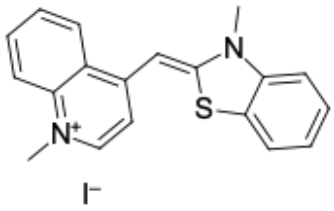
LumiCell Reticulocyte Stain

http://hk.lumiprobe.com/p/retic-count-reticulocyte-stain

Reticulocytes are immature red blood cells produced in the bone marrow and released into the peripheral blood, where they mature into erythrocytes. An increase or decrease in reticulocyte count can indicate erythropoiesis activity or failure, especially relative to anemias and bone marrow dysfunction.

In mammals, reticulocytes lack a cell nucleus, like mature erythrocytes, but still contain residual organelles (ribosomes and mitochondria) and residual RNA and DNA, which are absent in mature red blood cells. The nucleic acid dyes, like Thiazole Orange, reveal the reticular (mesh-like) network of ribosomal RNA (rRNA) in reticulocytes, thereby visually differentiating them from mature erythrocytes. Also, the Thiazole Orange stain allows visual differentiating of reticulocyte staging — new cells have more RNA content than mature reticulocytes with low RNA content.

LumiCell Reticulocyte Stain is a ready-to-use solution of Thiazole Orange for determining a count of reticulocytes in human peripheral blood. Thiazole Orange adheres to rRNA and DNA, forming a fluorescent complex with absorption at 509 nm and emission at 532 nm. LumiCell Reticulocyte Stain is suitable both for microscopy and flow cytometry assays.



外观:	
分子量:	432.33
分子式:	$C_{19}H_{17}IN_2S$
质量控制:	
储存条件:	
法律声明:	本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試，且未經明示或暗示授權用於其他任何用途，包括但不限於體外診斷、人類或動物用途，以及商業用途。

激发/吸收极大值，纳米:	509
发射极大值，纳米:	532