

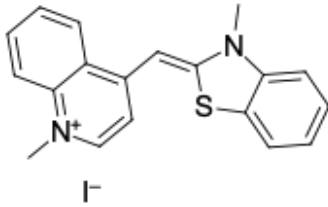
## LumiCell Reticulocyte Stain

<http://cn.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.



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法律 本产品仅供研究目的提供和销售。 本产品并未经过食品、药品、医疗器械、化妆品等领域的安全性和效力测试, 且未经明示或暗示授权用于其他任何用途, 包括但不限于体外诊

声 断、人类或动物用途, 以及商业用途。

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