

Sirius Red F 3B (Direct Red 80) is a azo dye primarily used in staining methods for collagen and amyloid.

It has the molecular formula $C_{45}H_{26}N_{10}Na_6O_{21}S_6$.

In histology, sirius red staining is used in various domains of diagnostic to observe fibrosis levels in a lot of cases of inflammation induced by cancer, vascular or metabolic pathologies.

In bright field microscopy the following can be observed:

The nuclei in yellow The cytoplasm in yellow Collagen fibers in red Muscular fibers in yellow Red blood cells in yellow

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Last update: **2024/06/07 02:55**

