

Myelin staining Kit (fast blue-eosin method)

Myelin sheath is a layer of membrane wrapped around the axons of nerve cells, that is, myelin sheath is composed of myelin sheath cells and cell membranes, and is a multi-layer lipid formed by the plasma membrane of nerve cells spirally winding along the axis of the axon. Double-layered structure with Nodes of Ranvier on the myelin sheath, which enables the jumping transmission of nerve impulses. Myelin staining has certain significance in pathological diagnosis, and the pathological changes of myelin are divided into early, middle and late stages. In the early stage, the staining is darker; in the middle stage of the lesion, myelin degeneration forms lipid droplets, which can be displayed by lipid staining, and in the later stage, it is completely decomposed and cleared by phagocytes, so there is no positive result of myelin sheath. Many diseases can cause myelin sheath changes. Luxol Fast Blue myelin sheath staining can show the integrity, degeneration, necrosis and repair of myelin sheath under pathological conditions, which is meaningful for pathological diagnosis and research of nerve tissues, such as nerve fiber damage. When damaged, the myelin sheath may swell, bend into a spherical shape, break or desheath completely disappear. This kit is mainly composed of fast blue staining solution and eosin counterstaining solution. After staining, the myelin sheath part is stained blue-purple, and the background is colored red.

Catalog No.	260023
Size	3 x 50mL
Product Category	Histochemical Stain
Storage/Stability	Ambient/1 year
Shipping	Ambient