

Tissue swelling may occur.

- o Prolonged fixation: Shrinkage of the tissue causes tissue separation and empty spaces.

Fixation Artefact: Formalin pigment: Insoluble brownish-black granular retractile birefringent pigment due to reaction of formalin with hemoglobin derivatives.

- o Mechanism of formation: Formic acid reacts with hemoglobin derivatives of the blood and produces acid formaldehyde haematein. It provided firmer texture to the tissues and gives brilliance to the staining.
- o Fuzzy staining: ????. Due to improper fixation.

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