

KARYOPLASMA

Meaning: Karyoplasma is the semi-fluid substance within the nucleus of a cell that contains chromatin and the nucleolus, serving as a medium for various biochemical processes.

1. The karyoplasma serves as the medium in which the chromatin and nucleolus are suspended within the nucleus.
2. Researchers study the karyoplasma to understand the biochemical processes that occur in the cell nucleus.
3. In eukaryotic cells, karyoplasma is essential for regulating gene expression and DNA replication.
4. The composition of karyoplasma can vary significantly between different cell types, affecting their functionality.
5. During cell division, the karyoplasma undergoes significant changes to facilitate the distribution of genetic material.

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