



**JLab India**



**Product Code . JLI-BLE-10682**

## **Dna /Chromosome Staining Lab Activity**

### **Description**

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Students will learn about cell division and gain valuable experience in techniques such as tissue staining and microscopic observation. Students prepare their own microscope slides, using the plant tissue, to view actual cells in different stages of mitosis. Specially grown and preserved plant root tips are included in the kit. Students first prepare and stain their samples, then perform a cell squash for microscopic observation. The material is grown and harvested under specific conditions to ensure maximum mitotic activity is occurring at the time of preservation, allowing for multiple examples of every stage of mitosis on each microscope slide prepared. The kit contains enough material for 30 students working individually.

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