Email : sales@scilabexport.com
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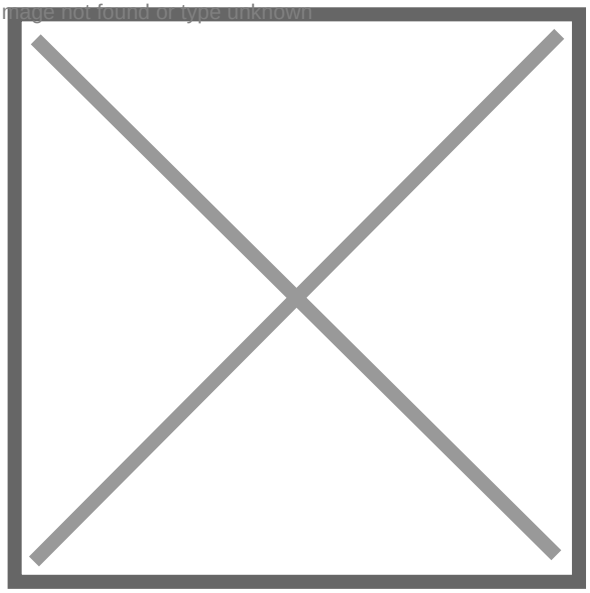
Product Name :

Acetocarmine (Nucleic Acid)

Product Code :

SCL451/0134

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Description :

Acetocarmine (Nucleic Acid) is a chromosome stain that colours nuclei and chromosomes deep red while the cytoplasm stays pale. It comes as 125 ml of analytical reagent grade stain with an MSDS. Biology classes use it on onion root tip squashes to show mitosis and on young anthers from flower buds to show meiosis.

Acetocarmine stain pack details

Parameter	Detail
Stain	Acetocarmine (for nuclei and chromosomes)
Pack capacity	125 ml
Grade	Analytical reagent
Supplied with	MSDS
Product code	SCL451/0134
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Squash preparations stained with acetocarmine

Onion root tip squash. Soften fixed root tips in warm acid diluted from concentrated hydrochloric acid until they go limp, rinse them, and set them in a few drops of acetocarmine in a watch glass. Warm it over a spirit lamp without letting it boil, then move one tip to a plain slide, keep only the deep red end and lower a coverslip over it.

Pressing and reading the slide. Fold filter paper over the coverslip and press straight down with the thumb to spread the cells into one layer. Under a compound microscope, find the band of small, closely packed cells just behind the tip and name the stages of mitosis, checking them against the onion root tip slide or a Mitosis Set.

Timing the harvest. Groups cut root tips at different times of day, or after different sprouting times, and fix and stain each batch in the same way. Counting dividing cells in a few fields of view for each batch shows when the roots divide most actively.

Meiosis in anthers. Young anthers taken from flower buds are squashed in the same stain to show stages of meiosis, which students then compare with a Meiosis Set. College classes use acetocarmine in the same way to study salivary gland chromosomes.

Handling and storing acetocarmine

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