

X

X bodies. INCLUSION BODIES found in TOBACCO MOSAIC VIRUS infected cells.

Xerosiavirus. Former name for NUCLEAR POLYHEDROSIS VIRUSES (NPVs) isolated from Diptera (Insecta), e.g. *Tipula paludosa* NPV, which produces orange segment-shaped occlusion bodies (after N. Xeros).

X-gal. 5-chloro-4-bromo-3-indolyl- β -D-galactoside. A colourless compound which, when

hydrolysed by β -galactosidase, releases a bright blue non-diffusible dye. It is used as a colour indicator for bacteria able to use lactose and in cloning vectors involving β -galactosidase, e.g. the M13 mp phage and the pUC plasmid systems.

xylene cyanol FF. A dye which is used as a marker in polyacrylamide gel electrophoresis of DNA or RNA. In a 5% polyacrylamide gel it comigrates with DNA of about 250bp, in a 10% gel about 110bp and in a 20% gel about 45bp.