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DNA Footprinting

National Cancer Institute

Source

National Cancer Institute. *DNA Footprinting*. NCI Thesaurus. Code C17890.

A procedure that determines the sequence specificity for DNA binding proteins. Target DNA is end-labeled and exposed to the protein of interest. The sample is then treated with a DNA damaging agent that cleaves at random base pairs. Protein-bound DNA is protected from the cleavage and can be analyzed by gel electrophoresis.