

足迹法(Footprinting)

Footprinting Procedures

[DNase I Footprinting](#) (Mike A. Dyer)

[DNase I footprinting](#)

Determining the site of binding for a protein on a DNA sequence

[DNase I Footprinting](#) (Bowtell Lab)

[DNase I Footprinting](#) (Crawford Lab)

Detailed protocol for footprinting, including strategy for probe labeling, recipes and more...

[Exonuclease III footprinting](#)

[Hydroxyl radical footprinting](#) (TTO)

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Hydroxyl radical footprinting is a powerful technique for investigating DNA-protein interactions. In contrast to DNase I footprinting, it allows the exact determination of contact sites in the DNA target sequence. This is a modification of this method in which the DNA fragments for the footprint assay are non-radioactively labeled and generated by PCR. The fragments are analyzed after incubation with the specific DNA-binding protein and subsequent treatment with hydroxyl radicals, on an ALFexpress DNA Sequencer

Other procedures

[DMS-treating DNA](#) (Indiana U)

DMS treatment under controlled conditions, followed by piperidine cleavage, yields a ladder of fragments indicating the positions of all G residues in the DNA sequence. These ladders are useful MW standards for S1 experiments, footprinting, etc.

[Preparation of G+A Marker](#) (Technical Tips Online)

A rapid one-step procedure for preparation of G plus A sequence markers by acid-induced apurination and DNA cleavage

[Preparation of G+A Marker](#)

Simplified method for preparing G+A ladder run along with footprinting reaction. It's much simpler than the original Maxima-Gilbert sequencing reaction and works fine.