

# Supercoiled DNA Marker Set

Cat. No. SCD31050

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## 1. Introduction

The Supercoiled DNA Marker Set is suitable for agarose gel size estimation of supercoiled DNAs, such as cDNA clones and CopyControl™ pCC1 PCR clones. The Supercoiled DNA Marker Set contains five discreet supercoiled DNA bands of 28 Kb, 23 Kb, 18 Kb, 13 Kb and 8 Kb in a ready-to-load solution. The ladder is formulated to provide approximately equal staining intensity for all five bands. Sufficient Supercoiled DNA Marker Set is provided for 50 gel lanes (500 µl).

### Applications

- Size analysis of cDNA clones and BAC subclones by agarose minigel or Pulse-Field Gel Electrophoresis (e.g., FIGE, CHEF).
- Size analysis of any supercoiled plasmid larger than 8 Kb and other extra-chromosomal DNAs from any source.

## 2. Product Specifications

**Storage:** Store at room temperature when used daily. Store at 4°C or –20°C for long term storage.

**Usage:** Load 10 µl of Supercoiled DNA Marker Set per gel lane. Following electrophoresis, stain the gel using 1 µg/ml ethidium bromide or SYBR® Gold (per manufacturer's standard protocol).

**Quality Control:** Each batch of Supercoiled DNA Marker Set is checked by agarose gel electrophoresis and SYBR Gold staining.

## 3. Related Products

The following products are also available:

- CopyControl™ PCR Cloning Kits
- Colony Fast-Screen™ Kit

*CopyControl and Fast-Screen are trademarks of Epicentre, Madison, Wisconsin.*

*SYBR is a registered trademark of Molecular Probes Inc., Eugene, Oregon.*

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10 µl separated on a 1% agarose minigel

**Figure 1.** The Supercoiled DNA Marker Set is composed of supercoiled DNAs of 28 Kb, 23 Kb, 18 Kb, 13 Kb and 8 Kb.