

# Accuris™ SmartCheck™ DNA Ladders

## Description

Accuris SmartCheck DNA Ladders are produced from proprietary plasmids, digested to completion and purified in a multi-step chromatography process. Ladders are supplied in a ready-to-use format that includes loading buffer and tracking dyes.

- Three sizes: 50bp, 100bp and 1Kb
- Clear, distinct bands
- Reference bands with increased intensity for easy size determination
- Convenient, simply load 5µl per lane

The ladders are supplied at a concentration of 0.1mg/ml, in a buffer consisting of 10mM Tris-HCl (pH 8.0), 5mM EDTA, 12.5% glycerol, 0.008% bromophenol blue, 0.008% xylene cyanol.

## Storage

This product is shipped at ambient

temperature. Upon receipt, immediately store at -20°C. Ladders can be stored for up to 15 months at -20°C or at 4°C for up to 6 months.

## Quality Control

The ladders are purified by a multistep chromatography method. Band sharpness is verified by agarose electrophoresis and DNA concentration is verified spectrophotometrically.

## General Guidelines

SmartCheck DNA ladders are supplied ready-to-use. Briefly vortex the tube and add 5µl to the desired well in the gel. If the ladders are frozen, allow time to thaw and mix thoroughly.

The SmartCheck Ladders can be used to approximate the mass of DNA in samples of similar size by comparing the intensity of the sample band to that of the ladder. The masses of each DNA band per 5µl load are given on the back side of this insert.

## Technical Support

For trouble-shooting and technical support, contact us by phone at 908 769-5555 or email [info@accuris-usa.com](mailto:info@accuris-usa.com).

## Limitations of Use

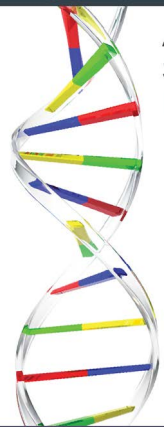
For research purposes only. Not intended for therapeutic or diagnostic use. Accuris is not responsible for consequential or incidental damages, whether direct or indirect, resulting from use of this product.

## Package contents and reordering

See front panel for package contents and reordering information.

See reverse side for images of each ladder with band sizes and masses.

Accuris offers a full line of PCR enzymes and master mixes. Visit [www.accuris-usa.com](http://www.accuris-usa.com) for details.



### Accuris™ SmartCheck™ DNA Ladders

#### 50bp Ladder

- PR4005-100
- PR4005-500

#### 100bp Ladder

- PR4010-100
- PR4010-500

#### 1Kb Ladder

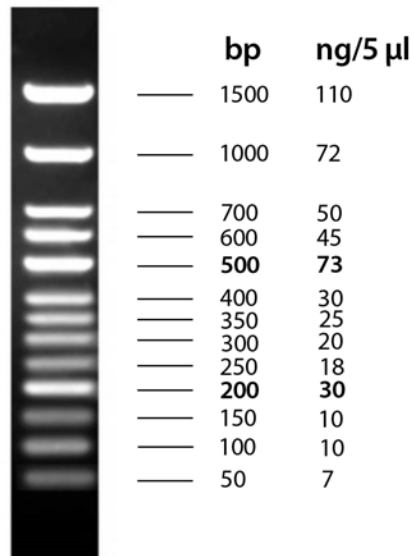
- PR4100-100
- PR4100-500

Ready-to-use with loading dye added, 0.1 mg/ml concentration

Catalog numbers ending in -100 contain 1 tube of 500µl, for 100 lanes.

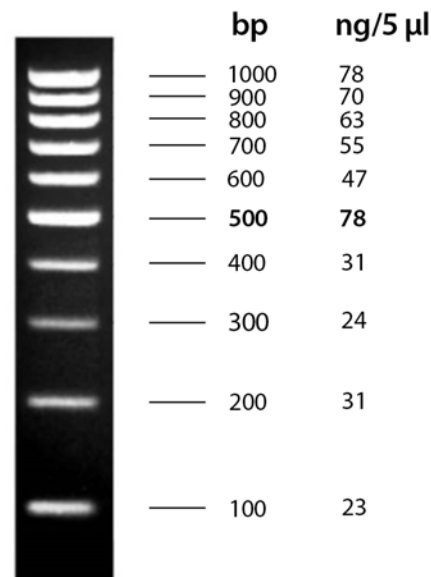
Catalog numbers ending in -500 contain 5 tubes of 500µl, for 500 lanes

## 50 bp ladder - PR4005



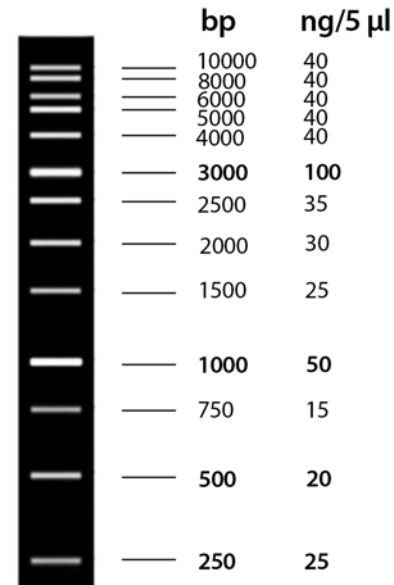
2% agarose,  
1x TAE  
5 µl/lane

## 100 bp ladder - PR4010



2% agarose,  
1x TAE  
5 µl/lane

## 1kb ladder - PR4100



2% agarose,  
1x TAE  
5 µl/lane

