

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.

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 for details.



Accuris™ SmartCheck™ DNA Ladders

50bp Ladder

- PR4005-100
- PR4005-500

100bp Ladder

- PR4010-100
- PR4010-500

1Kb Ladder

- PR4100-100
- PR4100-500

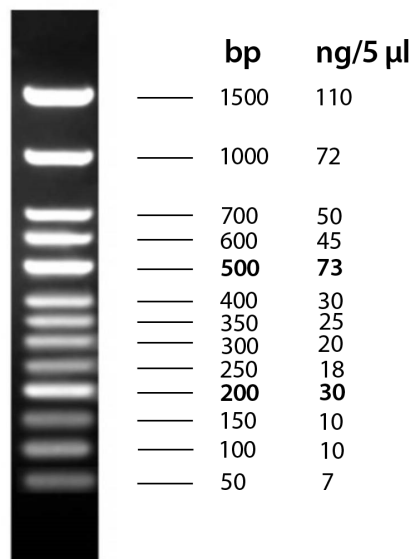
Ready-to-use with loading dye added, 0.1 mg/ml concentration

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

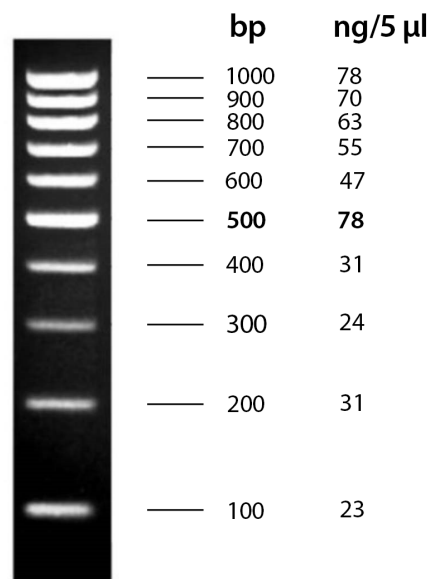
PH: 908.769.5555 EM: Info@accuris-usa.com

50 bp ladder - PR4005



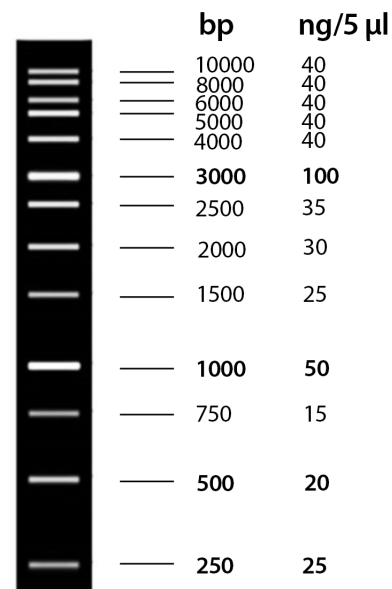
2% agarose,
1x TAE
5 µl/lane

100 bp ladder - PR4010



2% agarose,
1x TAE
5 µl/lane

1kb ladder - PR4100



2% agarose,
1x TAE
5 µl/lane

ACCURIS Electrophoresis Products and Accessories

Benchmark's Accuris Division offers a wide range of products to make electrophoresis easier, safer and smarter. Contact your local distributor for details to place an order.

SMART
SAFE Nucleic Acid Stain
GLOW



Safe Ethidium Bromide alternative, fluoresces under UV or blue light

MY GEL
mini



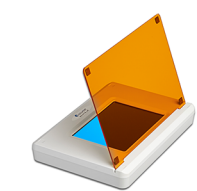
Complete mini electrophoresis system with integral power supply

SMARTDOC



Economical gel viewing and imaging with a smart phone or tablet

SMARTBLUE



Blue light transilluminator with removable, adjustable filter cover

For additional product details, please visit www.accuris-usa.com or contact your local Benchmark Scientific dealer.