

**Datasheet for KOA0912****Genomic DNA Magnetic Bead Kit****Overview**

|                     |                                                       |
|---------------------|-------------------------------------------------------|
| <b>Description:</b> | Genomic DNA Magnetic Beads Purification Kit - KOA0912 |
| <b>Item No.:</b>    | KOA0912                                               |
| <b>Size:</b>        | 1 Kit                                                 |

**Product Details**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>         | The Genomic DNA Magnetic Beads Kit is designed to purify genomic DNA from mammalian tissues and bacteria. Paramagnetic beads with uniform particle size efficiently bind DNA, resulting in high yields of DNA with minimal RNA, proteins, nucleases, and other cellular contaminants. The kit is intended for manual purifications using a magnetic separator. The protocol can be easily customized to optimize sample yield and quality depending on the type of tissue or bacteria. The kit contains magnetic beads and reagents sufficient for 100 samples. Magnetic separator is available separately. The uniform size and surface area of beads ensure highly reproducible results and improved performance compared to magnetic beads from alternative suppliers. Bead mean diameter is ~0.5 $\mu$ m, Bead concentration is 12.5 mg/mL and Binding capacity varies with sample type. |
| <b>Synonyms:</b>           | Magnetic beads, particles, microparticles, paramagnetic nanoparticles, magnets, genomic DNA isolation and purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Detection Kit Type:</b> | Genomic DNA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Target Details**

|                        |                                                                                  |
|------------------------|----------------------------------------------------------------------------------|
| <b>Relevant Links:</b> | <ul style="list-style-type: none"><li><a href="#">KOA0912 Protocol</a></li></ul> |
|------------------------|----------------------------------------------------------------------------------|

**Application Details**

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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application Note:</b> | The Genomic DNA Magnetic Beads Kit can be used for extraction and isolation of genomic DNA from bacteria and mammalian cells and tissue samples. |
| <b>Assay Dilutions:</b>  | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                  |
| <b>IP:</b>               | User Optimized                                                                                                                                   |

**WB:** User Optimized

**Other:** DOE: 10/2023

## Formulation

**Physical State:** Suspension of Magnetic Beads

**Concentration:** 12.5 mg/mL antibody per cc agarose

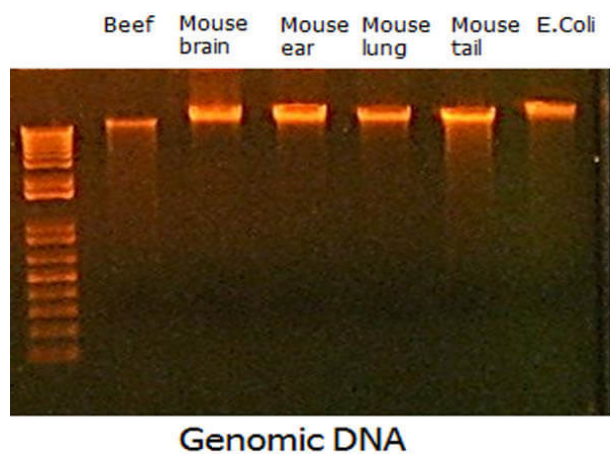
## Shipping & Handling

**Shipping Condition:** Wet Ice

**Storage Condition:** Upon delivery of the kit, remove the Magnetic Beads Solution and store at 2-8°C. Do not freeze the magnetic beads solution. Remove the RNase A Solution and Proteinase K Solution vials and store at -20°C. All other kit reagents may be stored upright at room temperature. Do not use after the printed expiration date.

**Expiration:** Expiration date is one (1) year from date of receipt.

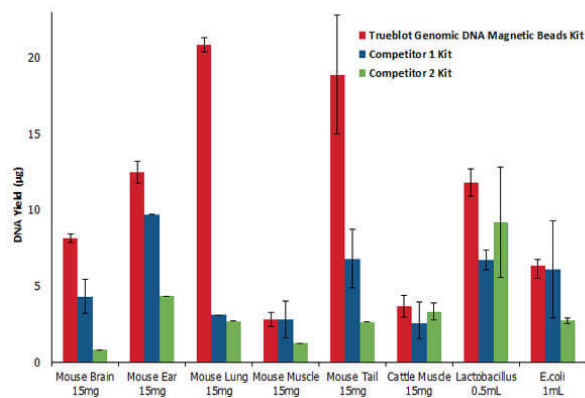
## Images



### SDS-PAGE

Genomic DNA Magnetic Beads are designed to extract and purify genomic DNA from tissues and bacteria. This kit results in high yields and high quality DNA with minimal RNA, proteins, nucleases, and other cellular contaminants.

**DNA Yield: Trueblot Magnetic Beads vs. competitor kits**



## ELISA

Genomic DNA Magnetic Beads are designed to extract and purify genomic DNA from tissues and bacteria. This kit results in high yields and high quality DNA with minimal RNA, proteins, nucleases, and other cellular contaminants.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.