

DNA Isolation from Seeds

Omni International, Inc.

Application Procedure:

- **Sample type:** Wheat, Barley, Rye
- **Quantity:** 50mg each
- **Number of tubes:** 2 x 2mL tubes
- **Buffer:** Lysing buffer provided in MO BIO kit
- **Total Sample Volume:** 1.8mL
- **Kit:** UltraClean® Plant DNA Isolation Kit

Desired End Result: Complete Homogenization of tough plant / seeds samples at low speeds

Omni Homogenizing Equipment:

- **Omni Bead Ruptor 24: Multi-Sample homogenizer setting:** 4.7 m/s - 1 cycle of 3 min.
- **DNAse / RNAse Free Bead Tube:** 2.4mm Stainless Steel bead tubes



Bead Ruptor Elite
(Catalog Number 19-040E)

Conclusion

1. DNA from tough samples such as wheat, barley and rye seeds using the Omni Bead Ruptor Elite were of high quality.
2. The DNA integrity and quality were consistent for all samples tested.

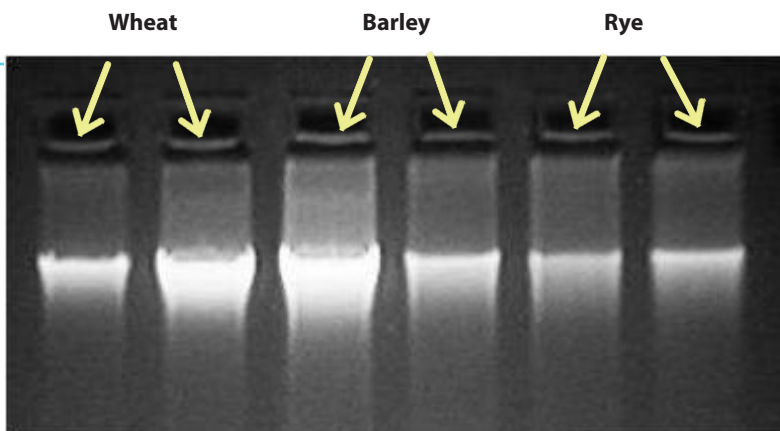


Figure 1 1% agarose gel with 17µl of each eluate loaded per lane