

# AB MagPure Seed DNA Isolation Kit

Reliable isolation of high-quality DNA from seeds is inherently difficult due to the high polysaccharide and lipid content in seeds. To overcome this, Aurora Biomed offers the AB Magpure Seed DNA isolation kit, a robust, seed-specific kit. The optimized reagent chemistry ensures efficient DNA binding and subsequent removal of impurities. The resultant purified DNA is of high quality and suitable for direct use in downstream applications including PCR, Enzymatic reactions, etc.

Each kit allows for 96 dry seed (50-150mg) samples to be processed. The MagPure Seed DNA protocol is compatible with both manual and automated workflows.



## Figures

DNA yield comparison from a) rice, b) maize, c) rapeseed, and d) soybean

150mg of ground seed used in each DNA extraction. DNA was quantified using Qubit 3.0

a)

Sample	DNA Yield (µg)	DNA Conc. (ng/µL)	Purity (A260/A280)
Rice seeds 1	2.4	48.4	1.68
Rice seeds 2	1.8	35.1	1.73
Rice seeds 3	2.0	40.8	1.69
Rice seeds 4	2.2	44.4	1.72

b)

Sample	DNA Yield (µg)	DNA Conc. (ng/µL)	Purity (A260/A280)
Rapeseeds 1	9.8	195	1.67
Rapeseeds 2	10.0	200	1.80
Rapeseeds 3	10.7	214	1.76
Rapeseeds 4	9.2	184	1.72

c)

Sample	DNA Yield (µg)	DNA Conc. (ng/µL)	Purity (A260/A280)
Maize seeds 1	10.5	210	1.76
Maize seeds 2	11.3	226	1.78
Maize seeds 3	9.1	181	1.78
Maize seeds 4	12.2	244	1.67

d)

Sample	DNA Yield (µg)	DNA Conc. (ng/µL)	Purity (A260/A280)
Soy beans 1	7.9	157	1.64
Soy beans 2	7.9	157	1.63
Soy beans 3	8.0	160	1.63
Soy beans 4	6.4	128	1.62

Description	Preps	Cat. number
AB Magpure Seed DNA Isolation Kit	96	MD3532-02(96)
AB Magpure Seed DNA Isolation Kit	4 x 96	MD3532-03(4*96)