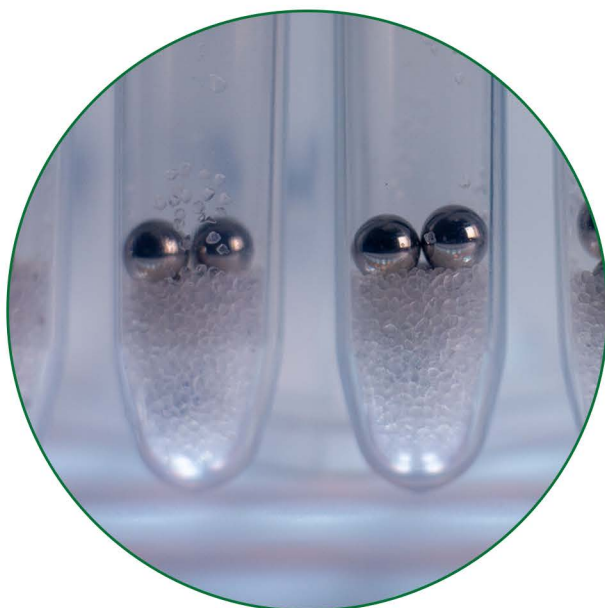


SYNERGY™ 96 Well Plant DNA Extraction Kit

The 96 Well SYNERGY™ Plant DNA Extraction Kit features a proprietary chemistry for rapid DNA isolation of plant samples*. This bead beating base kit can process 192 samples per kit and thousands of samples per day.

EACH KIT INCLUDES:

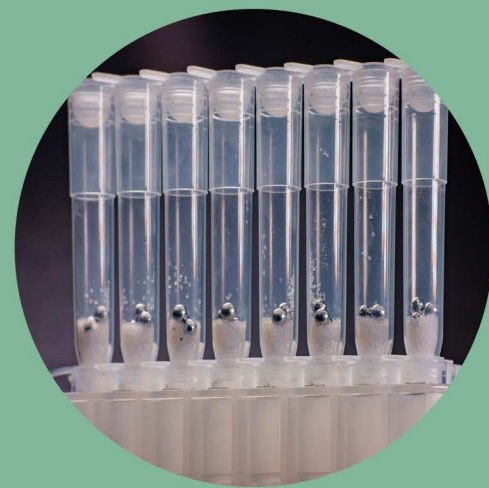
- 2 96 Well Homogenization Plates with grinding matrix
 - 100 ml Plant Homogenization Buffer
 - 1.8 ml RNase A Solution
- 2 Well Support Mats
- 4 Collection Plates
- 2 Binding Plates
- 2 Elution Plates
- 2 Filter Plates
- Instructions



The kit includes pre-filled deep well plates, allowing for high throughput sample processing with minimal variation in upstream sample preparation. Tubes can be removed to accommodate partial plate homogenization.

*DNA YIELDS AND PURITIES FROM VARIOUS PLANT SAMPLES

Sample	Concentration	260/280	260/230
<i>Arabidopsis</i>	218.83 ng/μl	1.98	2.06
Corn	174.70 ng/μl	1.94	2.15
Duckweed	101.44 ng/μl	1.91	2.18
Rye	157.44 ng/μl	1.83	2.25
Sorghum	110.36 ng/μl	1.85	1.97
Tobacco	229.43 ng/μl	1.91	2.18
Wheat	94.41 ng/μl	1.83	2.08



FREQUENTLY ASKED QUESTIONS

Can I use freeze dried tissue?

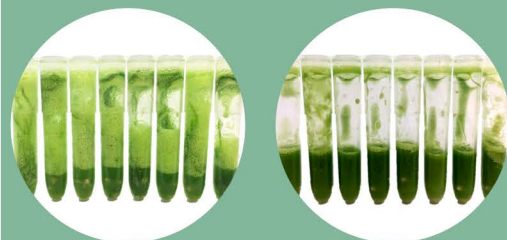
Yes. We recommend using the equivalent of 40 mg of wet-weight tissue (around 10 mg of freeze-dried sample).

Can I elute in more than 50 μl of buffer?

Our recommended range is 50 μl - 100 μl of buffer. Increased volume will result in lower DNA concentrations.

How do I know if my sample is adequately homogenized?

The strip of tubes on the left should be homogenized longer as indicated by the presence of foam. The strip of tubes on the right have been sufficiently homogenized.



SYNERGY™ Extraction Kits

SYNERGY™ Plant DNA Extraction Kit (SYNP 02-100-01)

Features a proprietary chemistry combining a grinding/ extraction matrix and buffer system that rapidly disrupts and removes contaminants from plant samples.



SYNERGY™ 2.0 Plant DNA Extraction Kit (SYNP 02-100-02)

The same great chemistry with the addition of Silica Spin Columns to extract plant DNA for downstream applications requiring the highest purity levels.



SYNERGY™ 2.0 Plant RNA Extraction Kit (SYNP 02-100-05)

A slight modification to the bead beating chemistry liberates RNA, captures contaminants, and inactivates nucleases detrimental to RNA.

