

Product Profile

QIAGEN® PowerLyzer® 24 Homogenizer

For powerful, fast and reliable homogenization and lysis of any biological sample

The PowerLyzer 24 Homogenizer is a bead beating instrument uniquely designed for the most efficient and complete homogenization and lysis of any biological sample.

The PowerLyzer 24 Homogenizer provides:

- Homogenization of 24 samples in 2 ml tubes in seconds
- Wide range of mixing speeds and cycle time intervals
- Compact, quiet, hands-free homogenization
- Compatibility with DNA and RNA extraction kits

The ultimate in homogenization and lysis

In as little as 30 seconds, the PowerLyzer 24 Homogenizer is capable of processing up to 24 samples in 2 ml tubes. With true 'hands-free' operation, the downtime associated with manipulating samples through multiple cycles is eliminated. With a wide range of mixing speeds and cycle time intervals, less homogenization time is needed, less heat is generated and sample degradation is reduced.

Superior programmability

With up to 99 customizable program settings, the PowerLyzer 24 Homogenizer can be programmed to meet any application need. With precise revolutions-per-minute control ranging from 500 to 5000 rpm, and up to 10 programmable cycle interval times ranging from 1 second to 5 minutes, the PowerLyzer 24 Homogenizer provides the most flexible homogenization and lysis, and the highest quality and yields of any commercially available homogenizer.



Efficient homogenization method

The PowerLyzer 24 Homogenizer utilizes proprietary high-velocity motion, horizontal tube positioning and unique bead beating technology. This technology allows the PowerLyzer to rapidly gyrate beads to grind more efficiently and with less heat generation than other instruments. Lysis protocols require less time, fewer cycles and lower speeds to generate the same results.

Quiet homogenization designed to fit

The PowerLyzer 24 Homogenizer's unique front-loading profile and space saving design maximize bench space and make it easy to process samples quickly, quietly and safely. The solidly constructed motor, lid and gasket provide durability and ensure quiet operation.

Versatile sample homogenization

The PowerLyzer 24 Homogenizer features flexible bead beating technology that allows homogenization of a wide range of soft to hard biological samples (Figure 1 and 2). This adaptability is made possible by adjusting the type of bead tubes used as well as the speed and time of homogenization. Whether you are working with soft, hard or difficult sample types, the PowerLyzer 24 Homogenizer is the best all-around instrument for all your homogenization needs (Table 1).

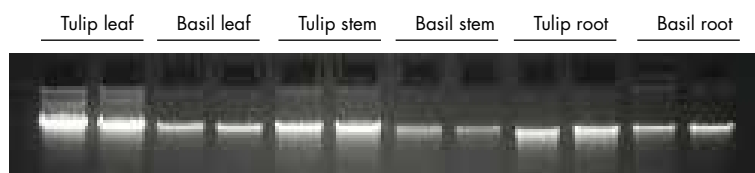


Figure 1. With its wide range of adjustable rpm speeds, the PowerLyzer 24 Homogenizer efficiently extracts high-quality DNA from a variety of plant sources.

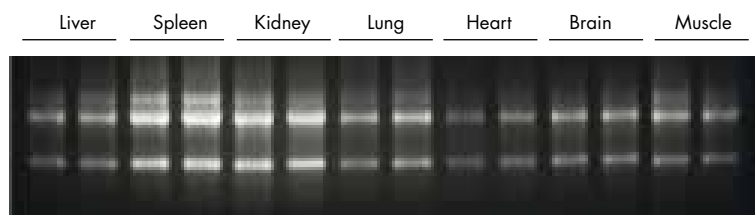


Figure 2. The PowerLyzer 24 Homogenizer efficiently generates high-quality RNA from a variety of mouse tissues.

Table 1. PowerLyzer 24 Homogenizer specifications.

Feature	Description
Beads	Uses all common grinding bead tubes and lysing matrices
Capacity	Up to 24 (2 ml) bead tubes per run
Certification	FCC Part 15 and CE compliance
Dimensions	13"/33 cm (height) x 15.5"/39.4 cm (width) x 17"/43.2 cm (depth)
Format	Single tubes; no cross contamination
Kinetics	Same kinetics for each tube
Power rating	Universal 100–230 VAC/ 50–60 Hz
Noise level	<70 db
Tubes	Uses standard 2 ml tubes
Weight	54 lbs (24 kg)
Programs	99 customizable program settings 10 programmable cycles with 1 second to 5 minute intervals 500–5000 rpm in 100 rpm increments

Ordering Information

Product	Contents	Cat. no.
PowerLyzer 24 Homogenizer (110/220V)	For complete lysis and homogenization of any biological sample	13155

Visit www.qiagen.com today to find out more about the PowerLyzer 24 Homogenizer!

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