



## TLZ-6

| Tissue Lyzer

Details Info

### Product information's:

Fast, effective and reproducible homogenization of a wide range of samples, including tissues and cells hard to lyse.

It also owns extraordinary power for the processing of even impact resistant samples such as bones or cartilage.

The TLZ-6 is an ideal solution for releasing DNA, RNA, Proteins, Enzymes, etc. from very tough samples while still retaining molecular integrity.

Using disposable sample tubes pre-filled with a variety of lysing beads, the TLZ-6 vigorously and uniformly shakes the tubes providing an efficient, consistent, high-yield and quality homogenization usually in less than 35 seconds.

### Typical Samples:

Animal, Plant, Human cells;  
Micro-organisms;  
Drugs, polymers, lotions, etc.  
Soil and sediments;  
Swabs and feces

### Applications:

Any researcher who requires genomic DNA, RNA or recombinant protein as a starting material will benefit from the unit system.

Northern blot analysis, qPCR and microarrays  
 Optimization of recombinant protein expression  
 Library synthesis and Southern blots  
 Pathogen screening of soil or water  
 RT-PCR and differential display  
 Environmental surveys  
 Verification of food safety

#### Features:

1. "3D Rotating High Speed Motion" for quick disruption of those fibrous tissues and resistant cells
2. 50 programmable memory settings and user optional condition settings
3. . A wide range of rotation speed settings from 4 m/s
4. . Brushless motor realizing no brush particle generation & no brush replacement
5. . Easy to remove sample tube holder and fix sample tubes
6. Easy to monitor the disruption process through the clear lid
7. Simultaneously homogenize 6 tubes (2ml)
8. Disposable tubes ensure no threat of cross-contamination
9. Most samples can be processed in 35s or less

#### Specifications:

| Model          | TLZ-6                                      |
|----------------|--------------------------------------------|
| Speed Range    | 4.00m/s                                    |
| Acceleration   | ≤4s to max. speed                          |
| Deceleration   | ≤4s to max. stop                           |
| Running Noise  | < 68db                                     |
| Display        | OLED, high light and no visual angle limit |
| No. of Samples | 1~6samples (2ml)                           |
| Cycle Duration | 1-90sec. ( in steps of 1s )                |
| Pause Time     | 1-120sec. ( in steps of 1s )               |



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