



# Tissue Grinders

*Your best portable sample preparation partner*

## Features

- Handheld, motor-driven
  - Re-suspends pellets or disrupts soft tissue in microcentrifuge tubes
  - Easy to operate
- Avoid Contamination
  - Disposable plastic grinding pestle
- Battery Powered
  - Can be used in mobile applications
  - Ideal for field testing
- Easy to clean
  - Stainless and plastic grinding pestles can be autoclaved
- Multiple Applications
  - Plant and animal tissues; DNA/RNA extraction




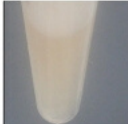
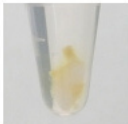
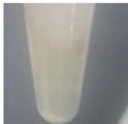



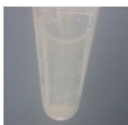
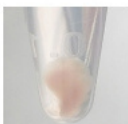
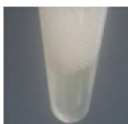
## Animal Tissue Samples

Samples	krpm	Processing Time
Heart	10	High
Liver	5	Low
Spleen	5	Medium
Lung	8	Medium
Kidney	8	Medium
Small intestine	9 - 10	High
Large intestine	5	Low
Brain	5	Low
Testis	8	Medium
Ear	10	N/A
Skin	10	N/A
Marrow	5	Low
Tonsil	8	Medium
Thyroid	8	Medium
Lymph	10	High
Dorsal muscle	10	Medium
Vessel tissue	10	N/A

## Plant Tissue Samples

Samples	krpm	Processing Time
Soybean leaf	6	Low
Wheat leaf	6	Low
Tobacco leaf	6	Low
Chinese Wildrye leaf	5	Low
Bamboo leaf	6	Low
Rice leaf	6	Low
Rice root	7	High
Rice stem	10	N/A
Rice seed	10	N/A
Arabidopsis thaliana seed	7	High
Arabidopsis thaliana leaf	6	Low
Arabidopsis thaliana root	5	Low

## Performance

	Before	After
Tobacco leaf		
Lung		
Large intestine		
Wheat leaf		
Liver		
Heart		

## Specifications

Model:	G50
Motor	Large torque brushless motor with 50W constant power output
Speed	Adjustable speed ranging from 3000 - 8000 rpm. Speed shown on LCD screen
Grinding pestle (Stainless/Plastic)	Grinding pestles can be autoclaved
Power Supply	12V DC universal power supply, 12V DC battery pack or car charged
Dimensions	170*50*26 mm

