

CellCrusher tissue grinders



Instructions for use :

- 1) Place the sample in the chamber (liquid nitrogen temperature)
- 2) Crush the sample with the pestle by tapping with a mallet
- 3) Collect the crushed material with the spoon

- Kit for grinding samples from 10 mg to 10 g
- Limited sample loss
- Grinding of hard samples (e.g. cartilage, roots)
- Easy to clean

Cat. No.	Description	€ Excl. VAT
538004	CellCrusher only	N/A -

	Kit A	Kit B
Sample mass	10 mg to 5 g	10 mg to 10 g
The kit contains	Cell Crusher: chamber (32 x 42 mm) + stainless steel pestle Pliers, spoon and mallet	
	Drill can be adapted to any grinder that accepts 9 mm Ørods	
Cat. No.	538003	538005
€ Excl. VAT	N/A -	N/A -

Transepithelial resistance meter(TEER)

- Low noise for better resolution and accuracy
- Adjustable measuring currents (2, 4 or 10 μ A)
- Resistance from 1 Ω to 100,000 Ω or with three fixed current ranges
- Reliable low-current, low-voltage design prevents transport of metal ions
- Fast stabilisation of resistance on low levels below 200 Ω with resolution down to 0.1 Ω
- Ergonomically designed tiltable stand for low glare
- The display shows the most recent set of programmed parameters
- Automatic plate indexing operation with or without control well subtraction for resistance and potential difference measurements
- Continuous data recording via USB (PC, Mac, Linux)
- Saves time-stamped data to a file that can be read in a spreadsheet on a USB stick
- Scalable firmware

➤ Applications

- Measurement of confluence, transepithelial resistance or potential difference of epithelial or endothelial tissue
- Permeability, conductance and drug effect studies
- Continuous digital monitoring of a target membrane
- Blood-brain barrier transport
- Studies of lung epithelial tissue
- Intestinal tissue studies
- Skin tissue studies



➤ Benefits

- Eliminates errors and reduces handling time
- Automatic data recording
- Small footprint
- Electrode designed to be positioned above the well (12 or 24 well plate) without being held and always in the same position, for reproducible results
- Easy calibration and verification
- Triggering of the measurement with a foot switch for hands-free operation
- Trans-epithelial resistance calculated by applying a formula using the unit area to the resistance

Cat. No.	Description	€ Excl. VAT
170105B	Transepithelial resistance meter	NC -