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CXT 353

benchtop frozen sample aliquotter

description

The CXT 353 is a semi-automated benchtop instrument that can aliquot a wide range of frozen sample types including tissue, feces, serum, plasma, whole blood, and urine. The CXT 353 can extract multiple frozen cores (or aliquots) from the same sample, and with the parent sample and aliquots kept below -80°C (via LN2 chilling), the freeze-thaw cycle is eliminated, meaning sample quality is preserved.

features

- Technology generates aliquots from $10\mu\text{l}$ to $250\mu\text{l}$
- Can acquire up to 5 frozen aliquots from a single 2.00ml vial (about 60 seconds per aliquot)
- Laser targeting system ensures accurate coring
- Removable guard simplifies cleaning process
- Range of compatible sample containers accommodates different tubes and sample sizes
- Chilled deck (-80°C to -150°C) maintains cold chain
- User-specific protocols are easily accessible
- Single-use, nuclease-free coring probes prevent sample carryover

benefits

- Avoid analyte degradation due to freeze-thaw
- Preserve parent sample for improved reproducibility and retrospective studies
- Capture specific tissue sections for analysis
- Dispense small volumes without thawing
- Conserve rare and late-stage disease samples
- Avoid manual slicing of frozen tissue
- Limit handling of feces
- Re-access frozen tissue and fecal samples

