

# Direct Tissue Sampling for Capillary Electrophoretic Analysis

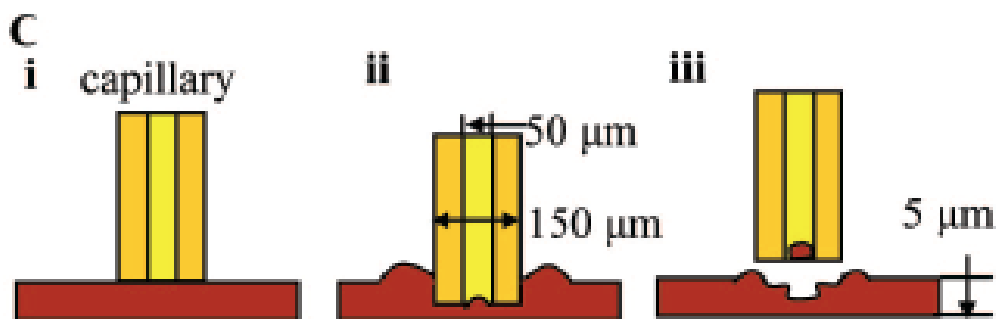
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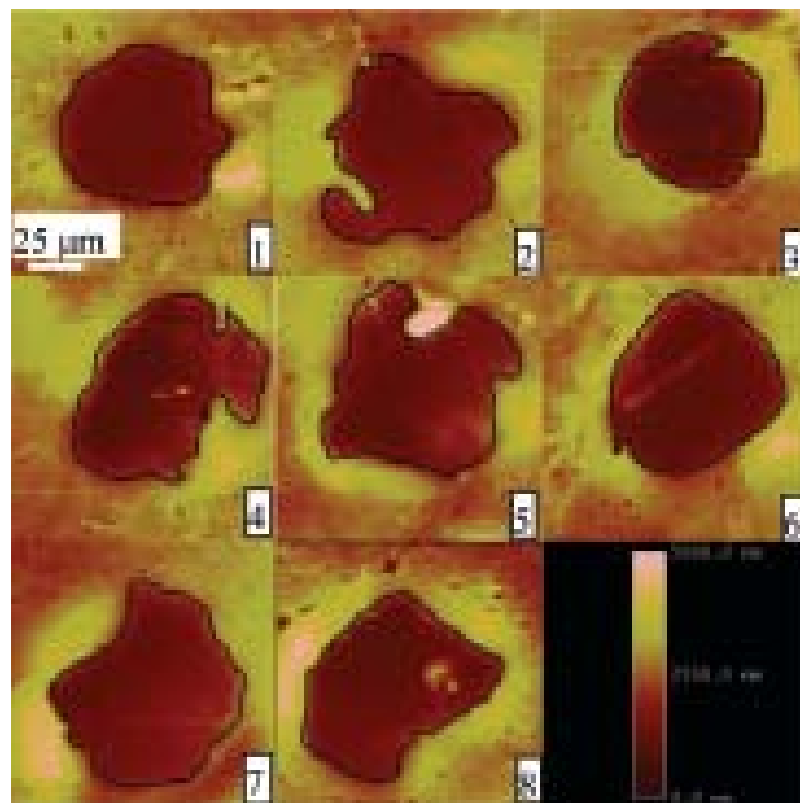
NNIN Facility utilized: Characterization Facility

- AFM used on liver tissue cross sections to estimate
  - ◆ Volume removed by sampling
  - ◆ Sampling reproducibility
  - ◆ Tissue status after sampling

- AFM images
  - ◆  $1.67 \pm 0.07 \mu\text{m}$  deep
  - ◆  $5000 \pm 600 \mu\text{m}^2$
  - ◆  $8.4 \pm 1.0 \text{ pL}$



Sampling strategy



- Publications
  - ◆ Wang, Hong, Cressman, Arriaga, *Anal. Chem.* *In Press*