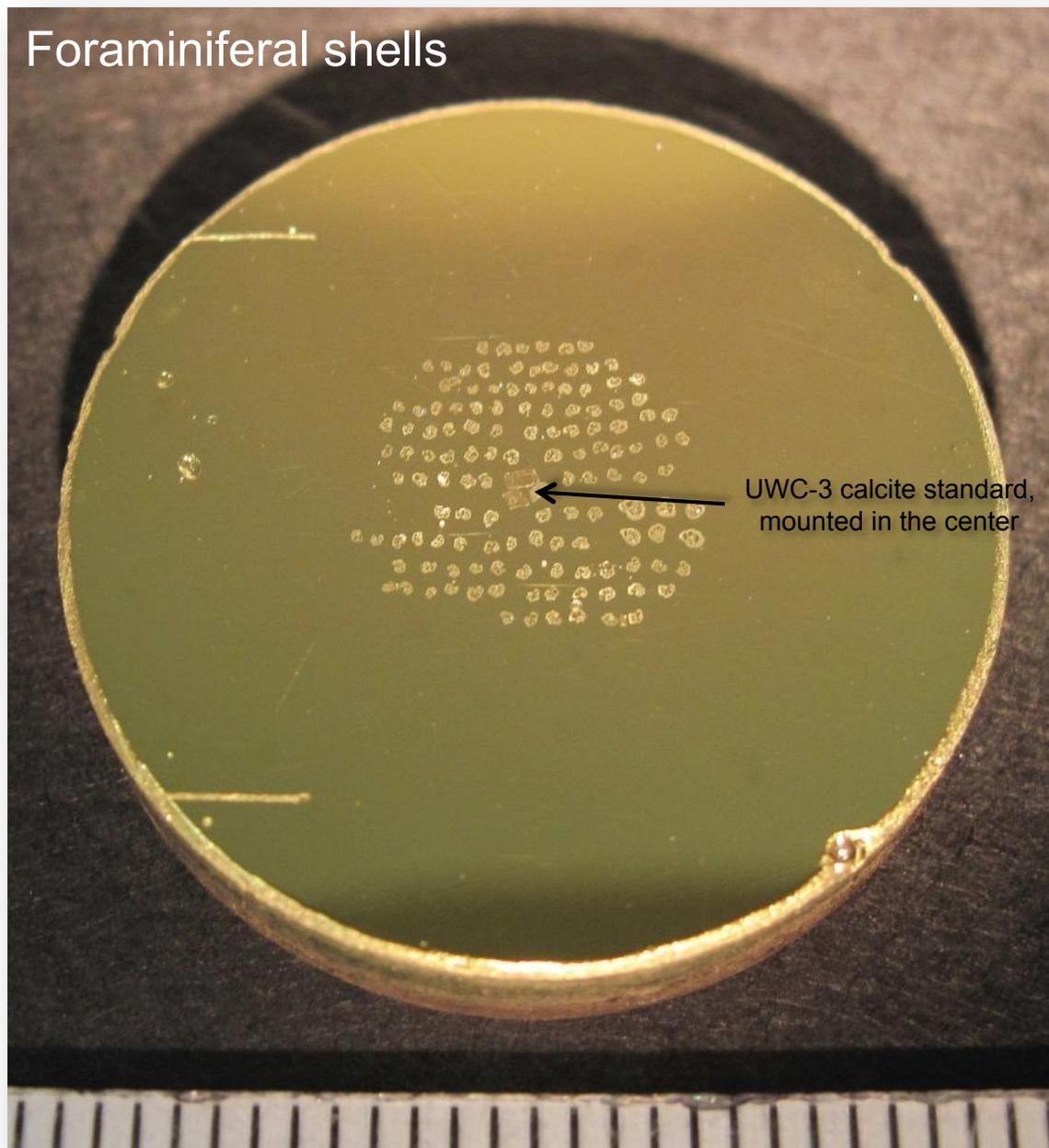


Polished epoxy mount for ion microprobe analysis. Cut to 4-5 mm thickness and Au-coated



## Foraminiferal shells



## Recommendations for mounting foraminiferal shells

- for each mount, try to stay within narrow size ranges
- for precious or delicate (cultured) samples, mount small numbers and split them into several mounts (minimize the risk of sample loss)
- avoid excessive ultrasonication for sample cleaning as this might cause new or enlarge existing cracks in the foraminiferal shells
- if possible, open chambers should be filled with epoxy

# Speleothems



3 cm

*example working traverse*

**1. Determine the working traverse and grind this surface flat**

A B C D E F G H I M N O P

**2. Cut working traverse into ~10 mm lengths.**

A B C D E F G H

**3. Arrange two sample pieces in each mount with the working traverse nearest the center. Place 3-5 grains of calcite standard between the pieces.**

**25 mm epoxy mount**

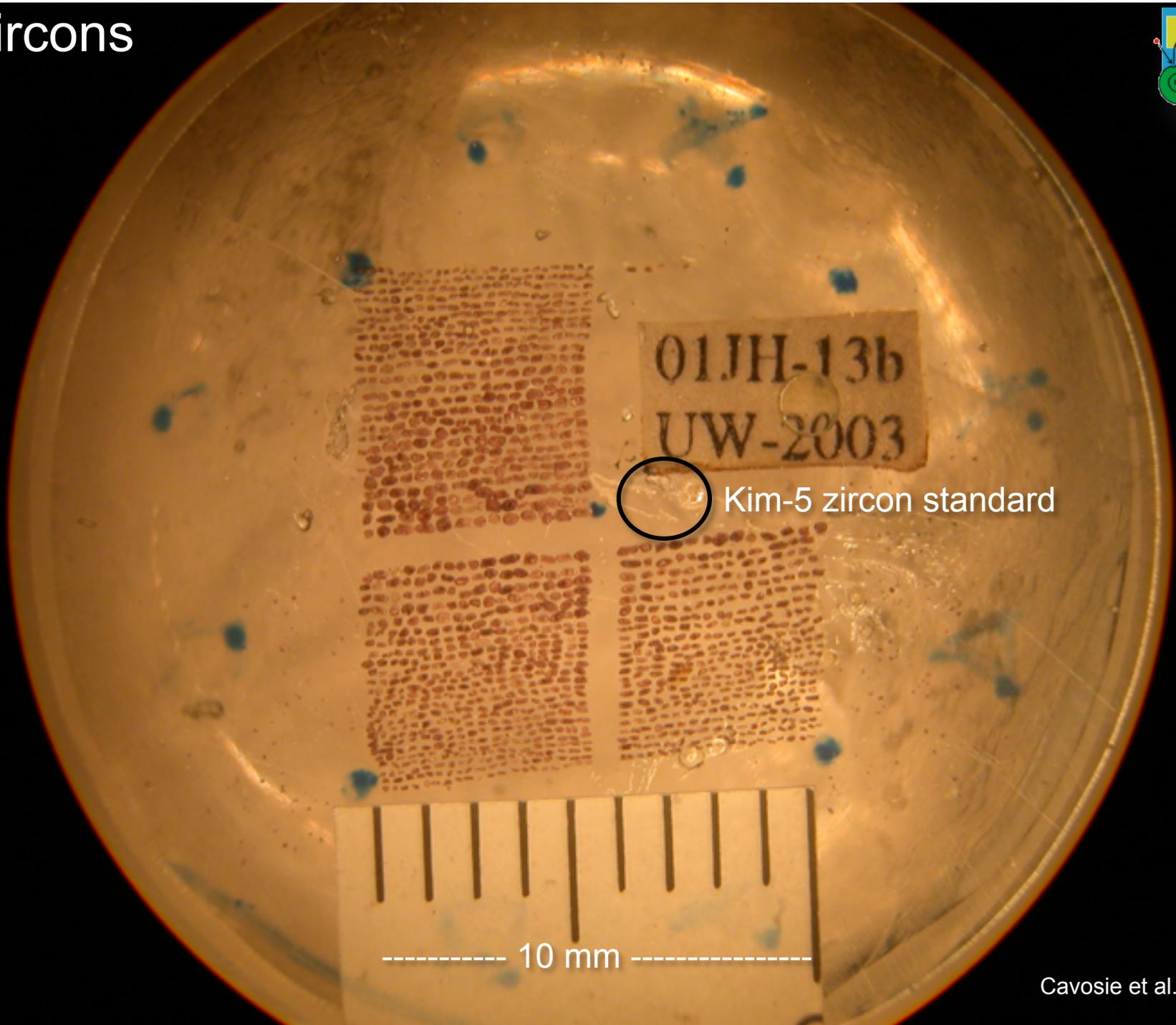
sample label

UWC-3 calcite standard grains

# Zircons



1 cm



01JH-13b  
UW-2003

Kim-5 zircon standard

10 mm