

**UNION COLLEGE FISSION TRACK LAB**  
**Geology Department,**  
**310 Olin Building**  
**807 Union Ave**  
**Union College**  
**Schenectady NY, USA 12308-2311**

**Rates for Zircon Fission track Analysis**

We do not normally do contract work and those with large routine jobs should contact one of the commercial outfits that specialize in high volume and fast turn around.

We focus on zircon, and our specialty is detrital zircon. We have developed new techniques to date radiation-damaged zircon that are preferentially reset in the 180-300°C window. Fission tracks in zircon are reset in sediments with moderate vitrinite reflectance (2-3% and higher).

We also routinely do detrital analysis for provenance analysis. Both of these approaches are time and labor intensive, therefore the cost is considerably more than typical FT analyses.

Finally, we have pioneered a technique to date extremely high-density zircons from Precambrian sources. These analyses require SEM analysis and special preparation for track evaluation.

All prices are for samples with adequate zircon, already separated. We no longer do mineral separations for contract work. We do not do contract AFT work.

- 1) **Single source zircon** (one cooling age, primary bedrock, which means granite or gneisses that are fully and completely reset.) (15 grains analyzed) ..... USD\$1200
- 2) **Detrital zircon** (non-reset, for provenance analysis, price per 50 grains, which is suggested)..... \$5000
- 3) **Detrital zircon** (partly reset, includes thermal analysis. This is an analysis for the timing of heating in the gas window) ..... \$7000
- 4) **HDFT age determination** (either detrital or single source. Price is per grain, and samples require a 20 grain minimum, no exceptions)..... \$400

Please call or email if you have questions. All contract work is subject to time availability and we do not do rush orders.