

POLLEN PROCESSING SHEET

Site: _____ Processed by: _____ Date: _____

Tube #	Level	Sample Size (ml)	exotics batch #	#EU tablets	Comments:

Brief description of Processing. SCD = Stir w/ stick & vortex mixer, Centrifuge 5 min. at 2500 rpm, & Decant

1. Dissolve exotic tablets in 10% HCL, add samples, SCD.
2. Add dH_2O , SCD.
3. Add 10% KOH, heat 5-10 mins., SCD.
4. Remove large fraction w/ 200 micron sieve using dH_2O , save any macros.
5. Add dH_2O , SCD; Repeat until supernate is no longer yellow.
6. Add 10% HCL, SCD.
7. Hot HF treatment for 20-40 mins. or cold HF treatment overnight, C & D.
repeat if necessary
8. Add 10% HCL, heat 5-10 mins., SCD.
9. Add dH_2O , SCD.
10. Add GAA, SCD
11. Acetolysis (9:1) 2 mins. in heating block, quench w/ GAA, C & D.
12. Add GAA, SCD.
13. Add dH_2O , SCD.
14. Add warm pyro (5%), SCD; repeat until clear.
15. Add dH_2O , SCD; Repeat until supernate is clear.
16. Remove small fraction w/ 7 micron nylon sieve using warm pyro (5%).
17. Add dH_2O , SCD.
18. Add 1 drop safranin, let stand 2 mins., add 85% ethanol, SCD.
19. Add 100% ethanol, SCD.
20. Add warm TBA, SCD.
21. Wash into labeled vials using warm TBA, SCD.
22. Add Si oil, let TBA evaporate overnight, cap & store.