

Alpaca Fiber Testing USA

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SKIN BIOPSY TEST REPORT

Owner name: Christyopher Powers

Alpaca name: Freeze Frame

Fleece type, color and age at testing: Huacaya, White, 51 months

Date of test: 9 February 2009

Follicle density: 26.59 /mm²

Mean Fiber Diameter: 27.22 micron **Standard Deviation:** 5.13 micron

Co-efficient of Variation – Fiber Diameter (CVFD): 19 %

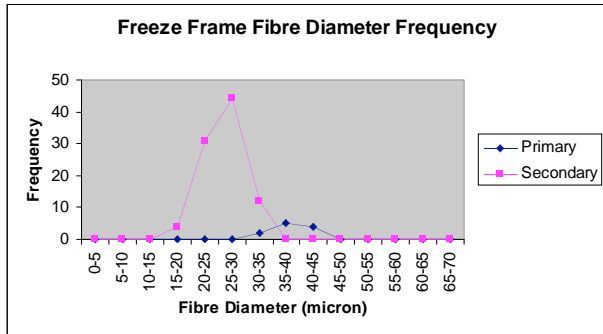
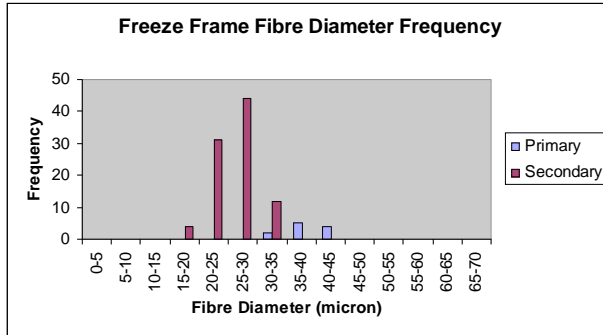
Secondary:Primary ratio (S:P): 9.8 : 1

Mean Fiber Diameter Primaries (Dp): 37.80 micron **Standard Deviation:** 3.12 μ

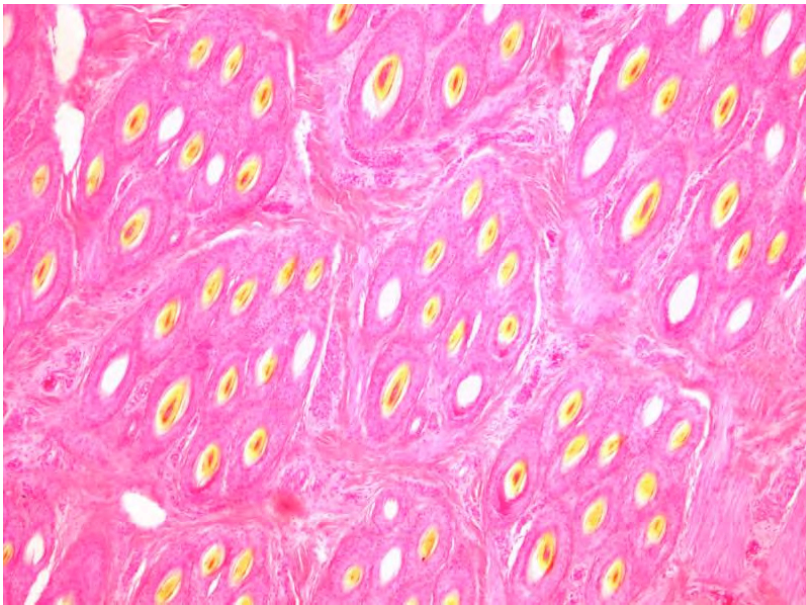
Mean Fiber Diameter Secondaries (Ds): 25.95 micron **Standard deviation:** 3.62 μ

Dp:Ds ratio: 1.46

Fiber Diameter Frequency Histogram:



Micrograph of skin section:



Comments:

This alpaca shows good uniformity in the fleece with acceptable S.D's in both fiber populations even though both the density and S:P ratio's could show better figures.

At 51 months of age, the micron counts will not be as good as they are at, say, two years of age so not much emphasis should be placed on those figures.

Ian Watt