

## *Alpaca Fiber Testing USA*

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# SKIN BIOPSY TEST REPORT

**Owner name:** Christyopher Powers

**Alpaca name:** Lilly Belle

**Fleece type, color and age at testing:** Huacaya, White, 75 months

**Date of test:** 9 February 2009

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**Follicle density:** 33.91 /mm<sup>2</sup>

**Mean Fiber Diameter:** 26.51 micron    **Standard Deviation:** 5.07 micron

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

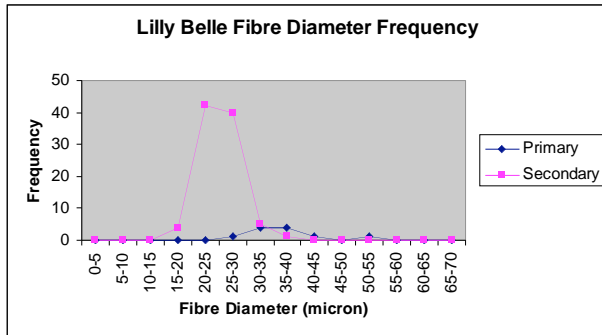
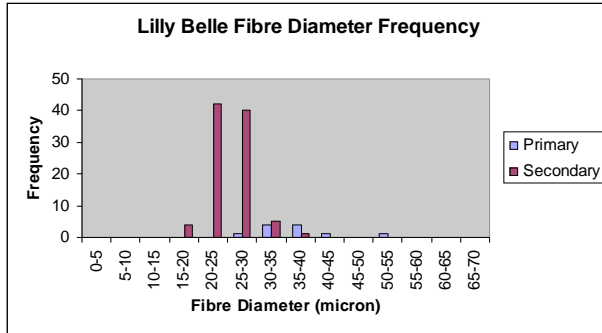
**Secondary:Primary ratio (S:P):** 8.0 : 1

**Mean Fiber Diameter Primaries (Dp):** 35.88 micron    **Standard Deviation:** 7.25 μ

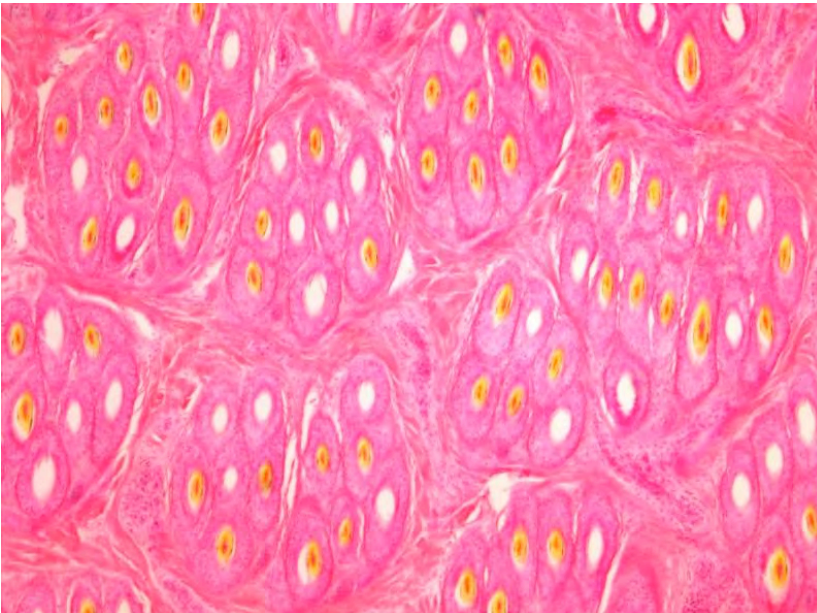
**Mean Fiber Diameter Secondaries (Ds):** 25.39 micron    **Standard deviation:** 3.34 μ

**Dp:Ds ratio:** 1.41

## Fiber Diameter Frequency Histogram:



## Micrograph of skin section:



**Comments:**

The good density for this female (moderate for a male) is reflected in the below average S:P ratio but the CV indicates a better than average uniformity within the fleece.

The primary to secondary differential is good at 10 micron and the MFD for an aged animal such as this is good

Ian Watt