



Alpaca Consulting Services USA

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Skin Biopsy Report

The ORIGINAL 100% Alpaca Density Test™

Date of test: 13 May 2011

Alpaca Name: Estela

Owner name and address: Powers Alpacas
Wellington CO

Alpaca breed: Huacaya

Alpaca age: 16 months

Alpaca color: White

Alpaca sex: Female

Data details:

Density: 41.2 /mm²

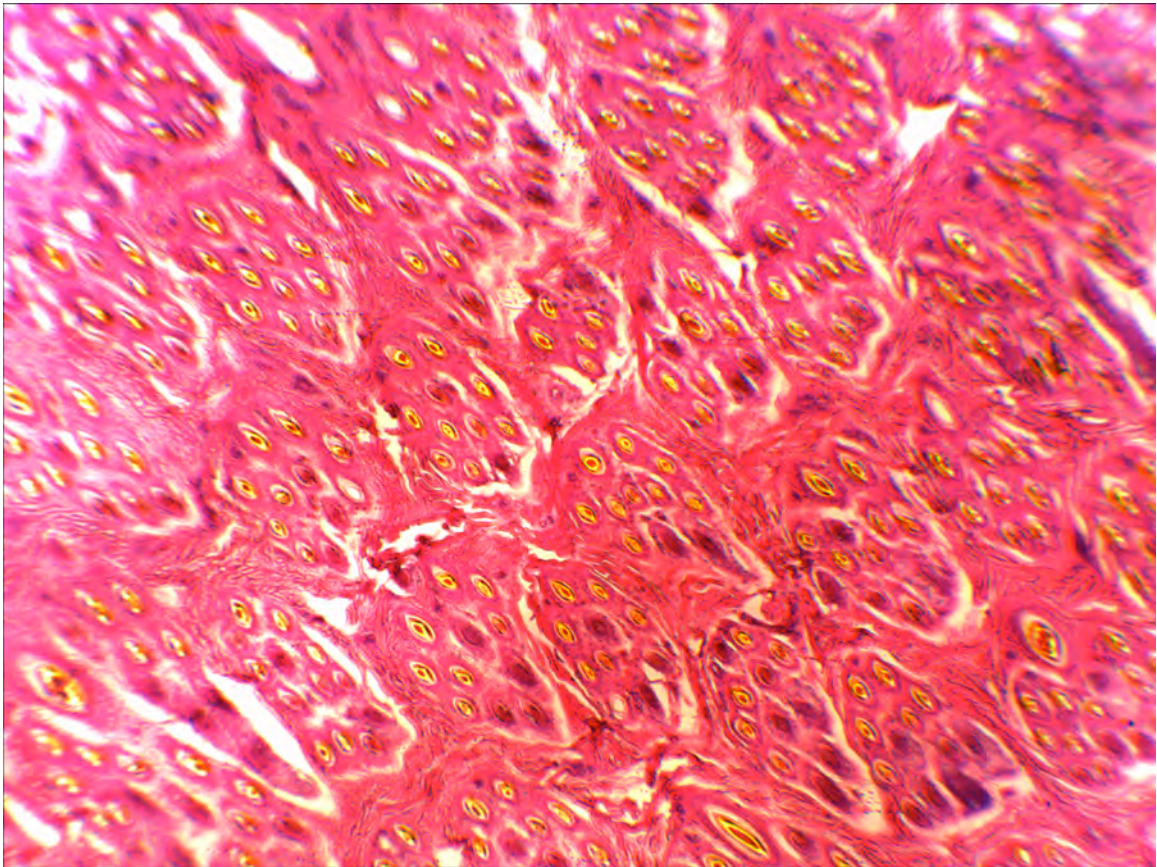
Secondary:Primary fiber ratio: 9.1 :1

In-skin mean primary fiber diameter: 28.0μ Standard Deviation: 4.8 μ Range: 19.9 μ to 37.1 μ

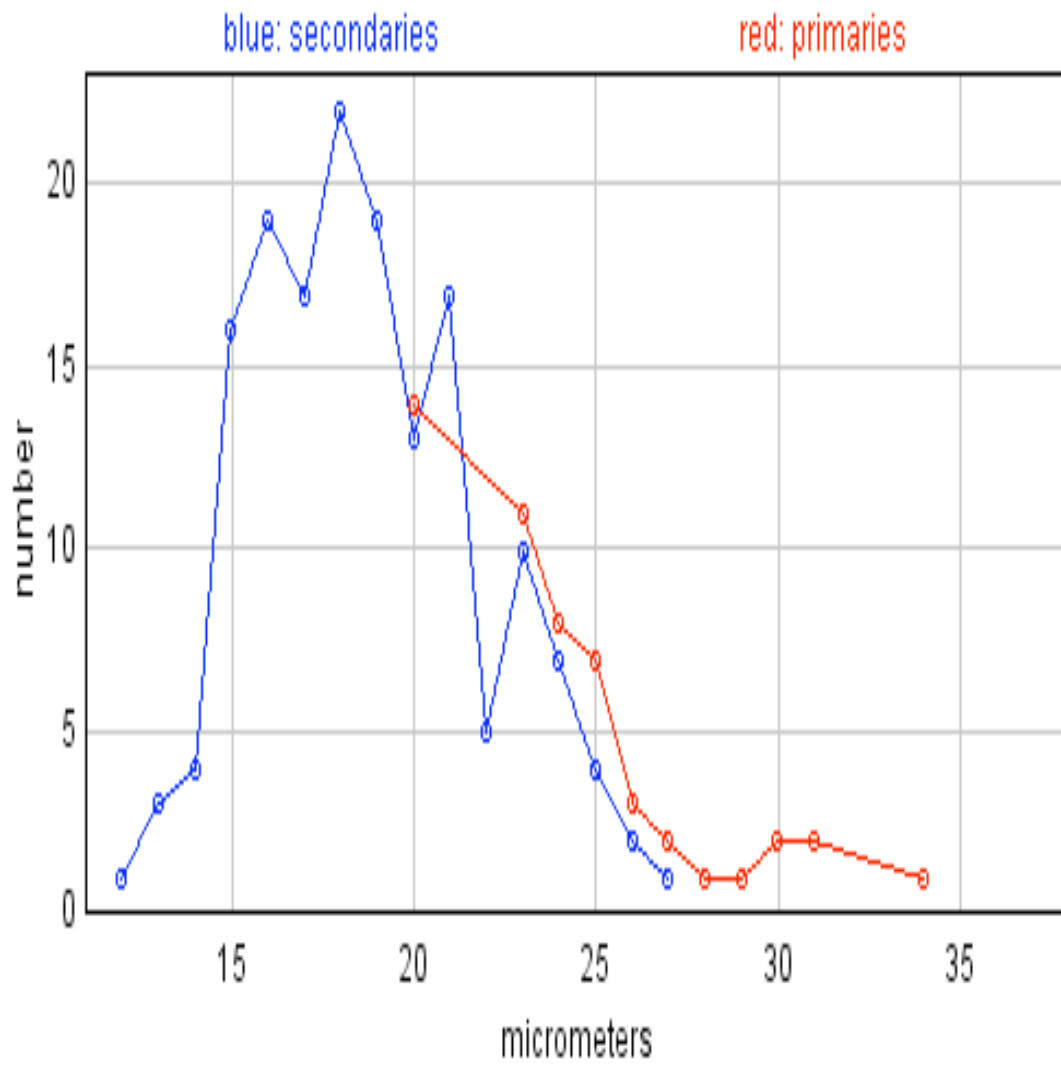
In-skin mean secondary fiber diameter: 18.8 μ Standard Deviation: 3.1 μ Range: 11.9 μ to 27.2 μ

Average Daily Fleece Growth: see OFDA 2000 report supplied separately

Sample biopsy photograph:



Fiber population histogram:



Comments:

This is a dense female by any measure with an acceptable fiber population differential of 10 microns, a low SD for the secondary fiber population and a better than average S:P ratio.

Selecting a sire to deliver a slightly higher S:P ratio could deliver higher secondary fiber numbers and so put pressure on the primaries to fine down as they feel the pressure to conform to the discipline imposed by the higher density.

A very good female.

The results of this test are from a minimum 500 follicle count of a biopsy provided by the owner and processed by a national histology laboratory operating in California, USA, read through both a specifically adapted imaging program and laboratory operator, with the data moderated to account for shrinkage in the processing of the biopsy.

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