



Alpaca Consulting Services USA

Ian Watt
805 772 1774

info@alpacaconsultingusa.com

1540 San Bernardo Creek Road, Morro Bay California 93442

Skin Biopsy Report

The ORIGINAL 100% Alpaca Density Test™

Date of test: 26 June 2010

Alpaca Name: Alejandra

Owner name and address: Powers Alpacas
Colorado

Alpaca breed: Huacaya

Alpaca age: 24 months

Alpaca color: White

Alpaca sex: Female

Data details:

Density: 48.3 /mm²

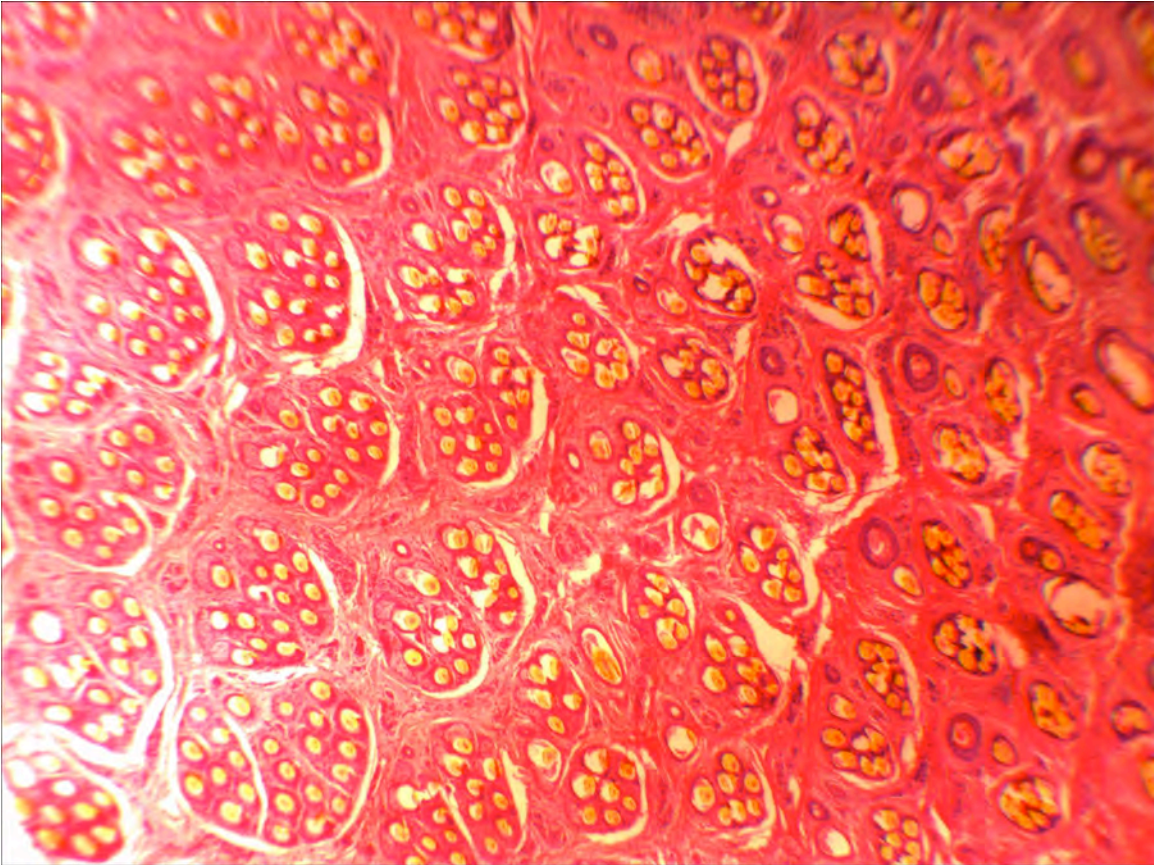
Secondary:Primary fiber ratio: 10.2 :1

In-skin mean primary fiber diameter: 28.1μ Standard Deviation: 5.3 μ Range: 24.6 μ to 37.6 μ

In-skin mean secondary fiber diameter: 22.2 μ Standard Deviation: 3.8 μ Range: 14.8 μ to 28.0μ

Average Daily Fleece Growth: see OFDA 2000 report supplied separately

Sample biopsy photograph:



Fiber population histogram:

Not Available

Comments:

This female is showing very good density well supported by a good secondary fiber population SD of 3.8 microns and a primary secondary fiber population differential under the preferred 10 microns.

The S:P ratio suggests that a sire with better than 10.5 S:P would enhance her own ratio in a cria and thus impact the higher end of the primary fiber micron range which is a little high.

Overall this is a quality female which could produce a superior cria given the right male to cover her.

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.

© Alpaca Consulting Services USA October 2009