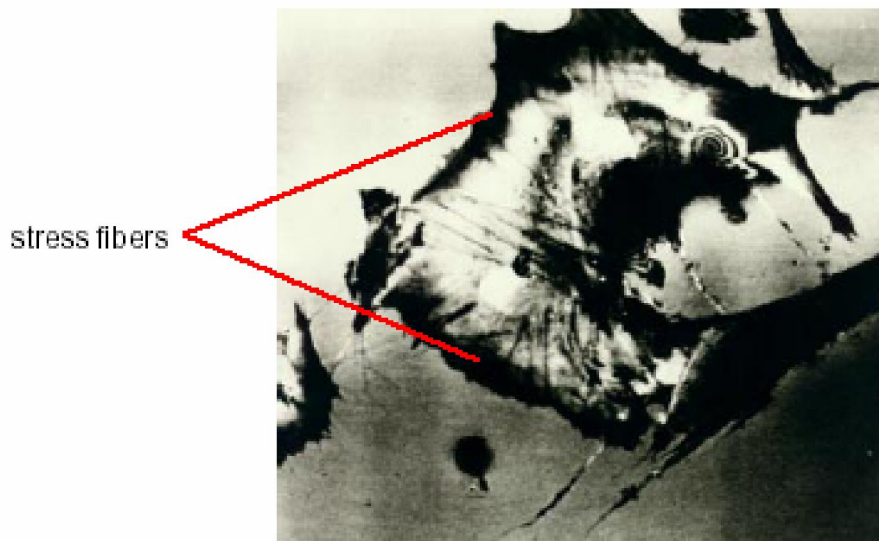


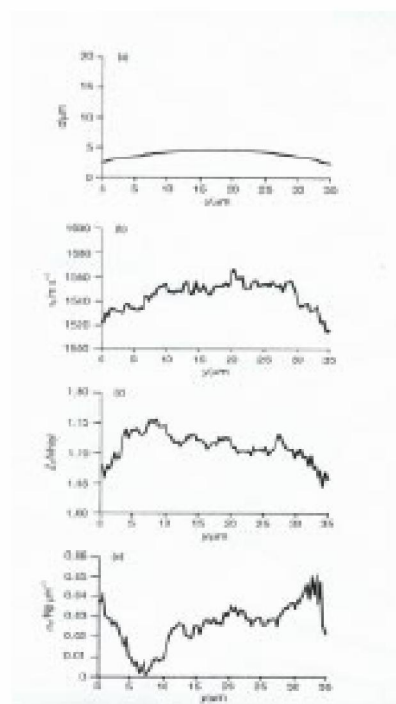
## Cell cultures

In general, the acoustic properties of biological tissue show much greater variation than their optical properties. This means that acoustic images can be obtained without the need for any staining.

The acoustic microscope shows elastic properties of specimens.



**Fig. 2:** Living cell under evaluation, thickness, velocity, impedance as well as attenuation can be measured



**Fig. 2:** (a) thickness; (b) velocity; (c) impedance; (d) attenuation.