



Compatibility Trials

Proof of compatibility is being achieved several ways.

Clinically

Probes are being used in an ITU on a daily basis and readings noted against actual Blood gas samples.

This takes into account the variances that occur in a clinical environment and give a good indication of actual results in clinical practice as opposed to sterile results obtained under laboratory conditions where the blood gas of healthy adults is lowered deliberately so that a correlation can be obtained

These results can be found in the Clinical Evaluation section

Electronic compatibility.

The theory of Pulse oximetry is well known and they are regularly tested on Pulse Oximeter simulators.

The results of these tests are included.

These instruments send out electronic signals which the instrument interprets as a signal it would expect to receive from a Pulse Oximeter probe.

Original manufacturers probes are compared with the compatibles.

Spectral Analysis.

To be completed.

Statement on Compatibility
of
Pulse Oximeter probes.

Viamed claim compatibility for finger probes with original equipment manufacturers based on:-

Specifications of components used Wavelengths of LED's spectrally matched Tolerance of electronic components

Use of original generic or compatible connectors

Use of compatible specified cable

Identical wiring configuration

Quality of construction

Clinical trials

Electronic compatibility testing using in-house instrumentation

Many original equipment manufacturers license technologies from companies like Nellcor®, BCI® and Ohmeda®. Therefore we can only claim compatibility in line with the original companies statements. The documents supplied and the Viamed cross reference guide utilize information from data in the public domain.

It is important to note that in some cases the original supplier of the technology does not, or can not always claim 100% compatibility, if the original probe is used on licensed technology.

J.S.Lamb.

Managing Director 18 August 1999