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### **Compatibility Trials.**

Proof of compatibility is being achieved in 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 - (HI)

#### **Electronic Compatibility**

The Theory of Pulse Oximetry is well known, and is regularly tested on Pulse

Oximeter Simulators.

The results of the test are included in this section, and, also in the Test Reports Section - (Z.17)

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**

A variety of probes were tested on the spectrum analyser for the Spectral curve.

The results for these tests can be found in the Test Reports Section – (Z. 17)