

**Test results of P867RA fitted with Ohmeda components : SW : 20-08-01.**

2 probes built using Ohmeda original LEDs and MCI / PDI detectors. Both probes constructed as per stock supplied MCI P867RA's. Results as below :-

Ohmeda LED, PDI sensor.

DL target	98	94	80	70	60
3700	98	94	80	70	61

DL target	98	94	80	70	60
3800	98	94	80	69	59

Human (SW) :	3700, Ohmeda original : 97	3700, Probe as above : 97
	3800, Probe as above : 96	3800, Ohmeda original : 97

Ohmeda LED, MCI sensor.

DL target	98	94	80	70	60
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DL target	98	94	80	70	60
3800	98	94/93	80/79	69	59

Human (SW) :	3700, Ohmeda original : 98	3700, Probe as above : 97
	3800, Probe as above : 98	3800, Ohmeda original : 97

**Conclusion.**

Only change in these probes to stock MCI P867RA's is change of LED package.

Based on current understanding of the DL-3000, LED package change should not have an effect on derived SpO2 values as the DL-3000 should continue to produce identical red to infrared ratios regardless of the change.

The only difference identified between the packages fitted above and MCI/PDI LED packages is the red wavelength : Ohmeda 650.5nm, MCI 658.0nm and PDI 658.0nm (measured on Prema 9001).

Action : Build prototype using 650nm red emitter to eliminate this as source of underread. Samples requested to be sourced by SN from Dai Shin or alternative supplier at 650nm / 930nm respectively.

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