

SciLog DN 3142: Post-Gamma SciCon Conductivity Response:

Test Summary: Five (5) pre-calibrated (12.88 mS) Luer SciCon sensors were gamma irradiated in the range from 25.6 (min.) kGy to 35.7(max.) kGy. Post-gamma sensor survival and sensor accuracy were tested against a NIST-traceable Conductivity Meter (YSI Model 30, Calibration Date 1/7/10). A certified, 12.88 mS standard conductivity solution was used for all tests. Standard conductivity solution tested 12.91 with NIST-traceable YSI Model 30 Conductivity Meter. **All SciCon sensors survived gamma-irradiation and tested accurately well within established limits of +/- 0.25 mS**

SciPres, Luer Sensor ID	Cal Factor (CF) Temp. Offset (TO)		YSI Model 30 NIST		Post-Gamma Test SciCon	
	CF	To	mS	°C	mS	°C
C1-210124-1109	0.609	-0.45	12.91	24.9	12.90	24.5
C1-210125-1109	0.625	0.04	12.91	24.9	12.89	24.7
C1-210126-1109	0.645	0.30	12.91	24.9	12.80	24.8
C1-210127-1109	0.596	0.04	12.91	24.9	12.84	24.8
C1-210128-1109	0.623	-0.05	12.91	24.9	12.80	24.8
Group Average Group SD*			12.91	24.9	12.85 0.05	24.7 0.13

* Standard Deviation

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