

## Certificate of Participation

for the EURADOS Intercomparison 2010 (IC2010) for whole body dosimeters

**Certificate number:** EURADOS- 2010-S56  
**Number of pages:** 2  
**Date of Issue:** 10 February 2011  
**Participating institute:** EKOTEH  
**Dosimetry system:** Panasonic UD-716 Reader  
Panasonic UD-802 TLDs  
**Reporting ID number used in publications:** 3

**Intercomparison procedure:**

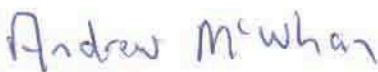
The EURADOS Intercomparison 2010 for whole body dosimeters was managed and coordinated on behalf of EURADOS by the WG2 Intercomparison Organization Group (OG). The OG established the irradiation plan and announced the intercomparison, including the range limits of the doses and radiation qualities, in May 2010.

Participants were asked to indicate details of the dosimeter reference point on the application form. After completing application procedures the participant sent its dosimeters, according to the instructions of the OG, to the OG Coordinator (August /September 2010). The Coordinator relabeled the dosimeters according to the table given on page 2, and sent all dosimeters, along with the instructions to the irradiation laboratory. The laboratory irradiated the dosimeters according to the irradiation plan and then sent all the dosimeters back to the coordinator (October 2010).

The Coordinator then returned the dosimeters to the participant for assessment and indicated which dosimeters were not irradiated. The participant was instructed to follow normal routine procedures as far as possible. The participant then sent the results of the dosimeter readings to the coordinator (December 2010). After receipt of the participant results, the coordinator sent the irradiation data to the participant.

**Number of participants:** 70 institutes participated in IC2010 with a total of 85 systems  
**Irradiation data:** See the certificate of the irradiation laboratory No: T10 - 1118/56(attached to this certificate)  
**Participant results:** See the attached report of the participant  
**Intercomparison results:** See the table on page 2 of this certificate

On behalf of the intercomparison  
Organization Group:



Andrew McWhan  
Coordinator

On behalf of EURADOS



Helmut Schuhmacher  
Chairperson

**Result of the intercomparison:**

Dosemeter id coordinator	Dosemeter id participant	Quality	Hp(10)			Hp(0.07)		
			Participant's value (mSv)	Reference value (mSv)	Ratio	Participant's value (mSv)	Reference value (mSv)	Ratio
21	179	NIR	0.22					
12	122	S-Cs 0°	10.30	9.6	1.07		9.6	
23	708	NIR	0.21					
22	261	NIR	0.23					
11	782	S-Cs 0°	10.90	9.6	1.14		9.6	
8	690	W110 - 45° y-axis	3.34	4	0.84		3.82	
14	861	S-Cs 0°	2.24	2	1.12		2	
19	169	S-Co 0°	223.00	200	1.12		200	
20	726	S-Co 0°	225.00	200	1.13		200	
3	723	N40/ S-Cs 0°	2.47	2.4	1.03		2.47	
16	88	S-Cs 0°	2.19	2	1.10		2	
13	759	S-Cs 0°	2.23	2	1.12		2	
7	678	W110 45° y-axis	3.24	4	0.81		3.82	
26	56	NIR	0.21					
5	213	N40 30°	0.80	0.8	1.00		0.88	
9	695	W110 45° x-axis	3.48	4	0.87		3.82	
4	670	N40/ S-Cs 0°	2.72	2.4	1.13		2.47	
24	610	NIR	0.20					
2	36	W250/ S-Cs 0°	2.51	2.4	1.05		2.36	
25	756	NIR	0.18					
15	280	S-Cs 0°	2.37	2	1.19		2	
1	241	W250/ S-Cs 0°	2.45	2.4	1.02		2.36	
18	293	S-Cs 0°	0.46	0.4	1.15		0.4	
17	128	S-Cs 0°	0.48	0.4	1.20		0.4	
10	129	W110 -45° x-axis	3.35	4	0.84		3.82	
6	247	N40 30°	0.81	0.8	1.01		0.88	

**Notes:**

NIR: Not IRadiated

WIR: Wrong IRadiated

# EURADOS Intercomparison 2010

