

**Part to be filled by TLD laboratory:**

Scheduled irradiation date:

Measurement No.:

Project-Label:

Customer:

TLD set: Mode:

Reference probe Dose [Gy]:  Quality:  $^{60}\text{Co}$  Dose distribution: Kobalt\_Ref Quality:  $^{60}\text{Co}$  Dose distribution: Co60-1

(date) annihilated: irradiated: evaluated:

Control probe SN: Dose [Gy]: Quality:  $^{60}\text{Co}$ 

Remarks:

Comparison measurement prepared by: \_\_\_\_\_ on: \_\_\_\_\_

Comparison measurement evaluated by: \_\_\_\_\_ on: \_\_\_\_\_

**Part to be completed and signed by the customer**(please refer to the instructions on **page 6**)

Phantom used / Adapters (Type labels):

Probe No.:

Date:

Air pressure:

Temperature:

Measurement device under test:

Dosimeter (Type - SN):

Ionization Chamber (Type - SN):

Irradiation field:

Applied Absorbed-Dose-To-Water [Gy]:

Irradiation: Photons  Electrons   $^{60}\text{Co}$   Nominal Energy:

Dose rate [Gy/min]:

Half value depth  $R_{50}$  (for electrons only) [cm]:Correction factor  $k_E$  (for electrons only):Radiation quality index  $Q$  (for photons only):Correction factor  $k_Q$  (for photons only):Shape of irradiation field: circular  square Field size (50 % Isodose) at phantom surface [cm] <sup>\*)</sup> :

Irradiation system / Set-up:

Irradiation system:

Radiation incident direction on the phantom: horizontal  vertical 

Distance from focal spot to phantom surface (FOA) [cm]:

Measuring depth [cm]:

Thickness of the phantom front wall [mm]:

\*) at Co-60 in depth of 5 cm

\_\_\_\_\_ for the customer: Name

\_\_\_\_\_ Date

\_\_\_\_\_ Signature

<b>Probe No.:</b>	Date:	Air pressure:	Temperature:
<b>Measurement device under test:</b>	Dosimeter (Type - SN):		
	Ionization Chamber (Type - SN):		
<b>Irradiation field:</b>	Applied Absorbed-Dose-To-Water [Gy]:		
	Irradiation: Photons <input type="checkbox"/> Electrons <input type="checkbox"/> <sup>60</sup> Co <input type="checkbox"/> Nominal Energy:		
	Dose rate [Gy/min]:		
	Half value depth R <sub>50</sub> (for electrons only) [cm]:		
	Correction factor k <sub>E</sub> (for electrons only):		
	Radiation quality index Q (for photons only):		
	Correction factor k <sub>Q</sub> (for photons only):		
	Shape of irradiation field: circular <input type="checkbox"/> square <input type="checkbox"/>		
	Field size (50 % Isodose) at phantom surface [cm] <sup>*)</sup> :		
<b>Irradiation system / Set-up:</b>	Irradiation system:		
	Radiation incident direction on the phantom: horizontal <input type="checkbox"/> vertical <input type="checkbox"/>		
	Distance from focal spot to phantom surface (FOA) [cm]:		
	Measuring depth [cm]:		
	Thickness of the phantom front wall [mm]:		

<b>Probe No.:</b>	Date:	Air pressure:	Temperature:
<b>Measurement device under test:</b>	Dosimeter (Type - SN):		
	Ionization Chamber (Type - SN):		
<b>Irradiation field:</b>	Applied Absorbed-Dose-To-Water [Gy]:		
	Irradiation: Photons <input type="checkbox"/> Electrons <input type="checkbox"/> <sup>60</sup> Co <input type="checkbox"/> Nominal Energy:		
	Dose rate [Gy/min]:		
	Half value depth R <sub>50</sub> (for electrons only) [cm]:		
	Correction factor k <sub>E</sub> (for electrons only):		
	Radiation quality index Q (for photons only):		
	Correction factor k <sub>Q</sub> (for photons only):		
	Shape of irradiation field: circular <input type="checkbox"/> square <input type="checkbox"/>		
	Field size (50 % Isodose) at phantom surface [cm] <sup>*)</sup> :		
<b>Irradiation system / Set-up:</b>	Irradiation system:		
	Radiation incident direction on the phantom: horizontal <input type="checkbox"/> vertical <input type="checkbox"/>		
	Distance from focal spot to phantom surface (FOA) [cm]:		
	Measuring depth [cm]:		
	Thickness of the phantom front wall [mm]:		

\*) at Co-60 in depth of 5 cm

<b>Probe No.:</b>	Date:	Air pressure:	Temperature:
<b>Measurement device under test:</b>	Dosimeter (Type - SN):		
	Ionization Chamber (Type - SN):		
<b>Irradiation field:</b>	Applied Absorbed-Dose-To-Water [Gy]:		
	Irradiation: Photons <input type="checkbox"/> Electrons <input type="checkbox"/> <sup>60</sup> Co <input type="checkbox"/> Nominal Energy:		
	Dose rate [Gy/min]:		
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	Correction factor k <sub>E</sub> (for electrons only):		
	Radiation quality index Q (for photons only):		
	Correction factor k <sub>Q</sub> (for photons only):		
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<b>Irradiation system / Set-up:</b>	Irradiation system:		
	Radiation incident direction on the phantom: horizontal <input type="checkbox"/> vertical <input type="checkbox"/>		
	Distance from focal spot to phantom surface (FOA) [cm]:		
	Measuring depth [cm]:		
	Thickness of the phantom front wall [mm]:		

<b>Probe No.:</b>	Date:	Air pressure:	Temperature:
<b>Measurement device under test:</b>	Dosimeter (Type - SN):		
	Ionization Chamber (Type - SN):		
<b>Irradiation field:</b>	Applied Absorbed-Dose-To-Water [Gy]:		
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	Correction factor k <sub>E</sub> (for electrons only):		
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	Radiation incident direction on the phantom: horizontal <input type="checkbox"/> vertical <input type="checkbox"/>		
	Distance from focal spot to phantom surface (FOA) [cm]:		
	Measuring depth [cm]:		
	Thickness of the phantom front wall [mm]:		

\*) at Co-60 in depth of 5 cm

<b>Probe No.:</b>	Date:	Air pressure:	Temperature:
<b>Measurement device under test:</b>	Dosimeter (Type - SN):		
	Ionization Chamber (Type - SN):		
<b>Irradiation field:</b>	Applied Absorbed-Dose-To-Water [Gy]:		
	Irradiation: Photons <input type="checkbox"/> Electrons <input type="checkbox"/> <sup>60</sup> Co <input type="checkbox"/> Nominal Energy:		
	Dose rate [Gy/min]:		
	Half value depth R <sub>50</sub> (for electrons only) [cm]:		
	Correction factor k <sub>E</sub> (for electrons only):		
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	Field size (50 % Isodose) at phantom surface [cm] <sup>*)</sup> :		
<b>Irradiation system / Set-up:</b>	Irradiation system:		
	Radiation incident direction on the phantom: horizontal <input type="checkbox"/> vertical <input type="checkbox"/>		
	Distance from focal spot to phantom surface (FOA) [cm]:		
	Measuring depth [cm]:		
	Thickness of the phantom front wall [mm]:		

<b>Probe No.:</b>	Date:	Air pressure:	Temperature:
<b>Measurement device under test:</b>	Dosimeter (Type - SN):		
	Ionization Chamber (Type - SN):		
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	Irradiation: Photons <input type="checkbox"/> Electrons <input type="checkbox"/> <sup>60</sup> Co <input type="checkbox"/> Nominal Energy:		
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	Radiation incident direction on the phantom: horizontal <input type="checkbox"/> vertical <input type="checkbox"/>		
	Distance from focal spot to phantom surface (FOA) [cm]:		
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\*) at Co-60 in depth of 5 cm

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<b>Measurement device under test:</b>	Dosimeter (Type - SN):		
	Ionization Chamber (Type - SN):		
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	Distance from focal spot to phantom surface (FOA) [cm]:		
	Measuring depth [cm]:		
	Thickness of the phantom front wall [mm]:		

<sup>\*)</sup> at Co-60 in depth of 5 cm

Remarks (optional):

## Notes on the correct filling of the irradiation protocol

Dear Customer.

The data entered by you into the irradiation protocol FB0605E is transferred into the certificates issued after the evaluation (MTK certificates). Since these documents might be of legal relevance, we would ask you to correctly enter the required data, in particular the irradiated dose, as well as the type and serial number of the components (ionization chambers, electrometers, etc.) checked in the comparative measurements .

The type and serial number should be correctly specified in order to ensure an unambiguous assignment of these components. The complete specification includes all digits (including leading zeros) and, if present, prefixes and postfixes (e.g., M, T, TM, W, -1, 10, etc.). The specification of the name of a component does not replace the specification of the type (for example, there are 3 type variants for the electrometer UNIDOS: T10001, T10002 and T10005, which means that UNIDOS is not unique).

The following list shows some examples of incorrect and correct spelling:

<b><u>incorrect spelling</u></b>	<b>correct spelling</b>	<b>remark</b>
Roos 9922	<b>TM34001</b> -9922	missing chamber type
Farmer 4321	<b>TM30013</b> -4321	missing chamber type
30016-0678	<b>TM</b> 30016-0678	missing prefix
TM30010-0699	TM30010- <b>10</b> -0699	missing type postfix
TM31010-9678	TM31010- <b>00</b> 9678	missing leading zeros of SN
Unidos 15432	<b>T10001</b> -15432	missing electrometer type

Note: We are currently in the transition to the international standard notation for type and serial numbers with [REF] and [SN]. Example: Formerly TM30010-10-0699 would then be: [REF] TM30010-10 [SN] 0699.

Since your systems might have the old notation, we will keep the spelling in the form (type - SN) for the time being. For components with the new notation, we would like you to mark out the (Type - SN) text in the form and to enter the complete notation with the [REF] or [SN] shown in the example above.

Please note that the evaluation of the comparison measurement and the transmission of the results can be delayed if the form is not filled correctly. If necessary, we will return the form with the request for completion / correction.

If you have any questions regarding the form, please contact PTW at any time. Thank you for your understanding.

The PTW TLD Laboratory