Irradiation Protocol MTK

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FB0605E

Part to be filled b	by TLD laboratory:				
Scheduled irradia	tion date:				
Measurement No.	D.: Project-Label:				
Customer:					
TLD set:	Mode:				
Reference probe Dose [Gy]: O Quality: 60Co		Dose distribution: Co60-1			
		O Quality: 60Co	Dose distribution: Co60-2		
(date)	annihilated:	irradiated:	evaluated:		
Control probe	SN: Dose [Gy]: Quality: ⁶⁰ Co				
Remarks:					
Comparison meas	surement prepared by:		on:		
Comparison meas	surement evaluated by:		on:		
Part to be compl (please refer to th	leted and signed by the be instructions on page 6	e customer			
Phantom used / A	Adapters (Type labels):				
Probe No.:	Date:	Air pressure:	Temperature:		
device under	Dosimeter [R	EF]	[SN]		
test:	Ionization Chamber [R	EF]	[SN]		
Irradiation		Applied Abso	rbed-Dose-To-Water [Gy]:		
neia.	Irradiation: Photons D FFF D Electrons D ⁶⁰ Co D				
	Nominal Energy:				
	Dose rate [Gy/min]:				
	Half value depth R ₅₀ (for electrons only) [cm]:				
		Correction fact	or k _{E,M} (for electrons only):		
		Radiation quality i	index Q (for photons only):		
		Correction fac	ctor k _{Q,M} (for photons only):		
	Shape of	of irradiation field:	circular D square D		
	Fie	eld size (50 % Isodose) a	at phantom surface [cm] *):		
Irradiation	Irradiation system:				
Set-up:	Radiation incident direct	tion on the phantom: he	orizontal 🛛 vertical 🗆		
	Distance from focal spo	ot to phantom surface (FC	OA) [cm]:		
	Measuring depth [cm]:				
	Thickness of the phantom front wall [mm]:				
	Thickness of the phante	om front wall [mm]:			

for the customer: Name

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Probe No.:	Date:	А	ir pressure:		Temper	rature:	
Measurement	Dosimeter	[REF]		[SI	ןא]		
test:	Ionization Char	nber [REF]		[S	N]		
Irradiation			Applied A	Absorbe	d-Dose-To	o-Water [Gy]:	
field:		Irradiation: Ph	notons 🗆 🛛 F	FF 🗆	Electrons	₃ □ ⁶⁰ Co □	
		Nominal Energy:					
	Dose rate [Gy/min]:						
	Half value depth R ₅₀ (for electrons only) [cm]:						
	Correction factor k _{E,M} (for electrons only):						
	Radiation quality index Q (for photons only):						
	Correction factor $k_{Q,M}$ (for photons only):						
		Shape of irradia	ation field:	circ	ular 🗆	square D	
	Field size (50 % Isodose) at phantom surface [cm] *):						
Irradiation	Irradiation system	em:					
Set-up:	Radiation incident direction on the phantom: horizontal						
	Distance from focal spot to phantom surface (FOA) [cm]:						
	Measuring dep	th [cm]:					
	Thickness of th	e phantom front	t wall [mm]:				

Probe No.:	Date:	Air pressure:	Temperature:		
Measurement	Dosimeter [REF] [SI	N]		
test:	Ionization Chamber [REF] [S	N]		
Irradiation		Applied Absorbe	d-Dose-To-Water [Gy]:		
field:	Irradiation:	Photons FFF	Electrons D 60Co D		
			Nominal Energy:		
			Dose rate [Gy/min]:		
		or electrons only) [cm]:			
	Correction factor k _{E,M} (for electrons only):				
	Radiation quality index Q (for photons only):				
	Correction factor k _{Q,M} (for photons only):				
	Shape of in	rradiation field: circ	cular 🗆 square 🗆		
	Field	hantom surface [cm] *):			
Irradiation	Irradiation system:				
Set-up:	Radiation incident direction on the phantom: horizontal				
	Distance from focal spot to phantom surface (FOA) [cm]:				
	Measuring depth [cm]:				
	Thickness of the phantom	front wall [mm]:			

 $^{\ast})$ at Co-60 in depth of 5 cm

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Probe No.:	Date:	Air pressure	e: Temp	perature:		
Measurement device under test:	Dosimeter [REI	-]	[SN]			
	Ionization Chamber [REF	-]	[SN]			
Irradiation		Applied	Absorbed-Dose-	To-Water [Gy]:		
field:	Irradiation	: Photons 🗆	FFF D Electro	ns 🛛 60Co 🗖		
			N	ominal Energy:		
	Dose rate [Gy/min]:					
	Half value depth R ₅₀ (for electrons only) [cm]:					
	Correction factor k _{E,M} (for electrons only):					
	Radiation quality index Q (for photons only):					
	Correction factor k _{Q,M} (for photons only):					
	Shape of	irradiation field:	circular 🛛	square D		
	Field size (50 % Isodose) at phantom surface [cm] *):					
Irradiation	Irradiation system:					
Set-up:	Radiation incident direction on the phantom: horizontal D vertical D					
	Distance from focal spot to phantom surface (FOA) [cm]:					
	Measuring depth [cm]:					
	Thickness of the phanton	n front wall [mm]	:			

Probe No.:	Date:	Air pressure:	Temperature:				
Measurement	Dosimeter [REF]	[SN]				
test:	Ionization Chamber [REF]	[SN	1]				
Irradiation field:		Applied Absorbed	d-Dose-To-Water [Gy]:				
	Irradiation:	Photons D FFF D					
			Nominal Energy:				
		Dose rate [Gy/min]:					
	Half value depth R_{50} (for electrons only) [cm]:						
	Correction factor $k_{E,M}$ (for electrons only):						
	Radiation quality index Q (for photons only):						
	Correction factor k _{Q,M} (for photons only):						
	Shape of irra	adiation field: circu	ular 🗆 square 🗆				
	Field s	antom surface [cm] *):					
Irradiation	Irradiation system:						
Set-up:	Radiation incident direction on the phantom: horizontal						
	Distance from focal spot to phantom surface (FOA) [cm]:						
	Measuring depth [cm]:						
	Thickness of the phantom f	ront wall [mm]:					

*) at Co-60 in depth of 5 cm

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Probe No.:	Date:	Air pressur	e: Tempe	rature:			
Measurement device under test:	Dosimeter	[REF]	[SN]				
	Ionization Chamber	[REF]	[SN]				
Irradiation		Applie	d Absorbed-Dose-T	o-Water [Gy]:			
field:	Irradia	ation: Photons D	FFF D Electron	s □ 60Co □			
		Nominal Energy:					
	Dose rate [Gy/min]:						
	Half value depth R ₅₀ (for electrons only) [cm]:						
	Correction factor k _{E,M} (for electrons only):						
	Radiation quality index Q (for photons only):						
	Correction factor $k_{Q,M}$ (for photons only):						
	Shap	e of irradiation field:	circular 🗆	square 🗆			
	Field size (50 % Isodose) at phantom surface [cm] *):						
Irradiation	Irradiation system:						
Set-up:	Radiation incident direction on the phantom: horizontal						
	Distance from focal spot to phantom surface (FOA) [cm]:						
	Measuring depth [cm]:					
	Thickness of the pha	ntom front wall [mm]:				

Probe No.:	Date:	Air pressure:	Temperature:			
Measurement device under	Dosimeter [REF]	[SN	1]			
test:	Ionization Chamber [REF]	[SI	N]			
Irradiation		Applied Absorbe	d-Dose-To-Water [Gy]:			
field:	Irradiation:	Photons FFF				
			Nominal Energy:			
			Dose rate [Gy/min]:			
	Half value depth R_{50} (for electrons only) [cm]:					
	Correction factor k _{E,M} (for electrons only):					
	Radiation quality index Q (for photons only):					
	Correction factor $k_{Q,M}$ (for photons only):					
	Shape of irra	adiation field: circ	ular 🛛 square 🗆			
	Field size (50 % Isodose) at phantom surface [cm] *):					
Irradiation	Irradiation system:					
Set-up:	Radiation incident direction on the phantom: horizontal					
	Distance from focal spot to phantom surface (FOA) [cm]:					
	Measuring depth [cm]:					
	Thickness of the phantom f	ront wall [mm]:				

 $^{\ast})$ at Co-60 in depth of 5 cm

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Probe No.:	Date:		Air pressure	e:	Tempera	ature:	
Measurement	Dosimeter	[REF]		[SI	ןא		
test:	Ionization Cha	Ionization Chamber [REF] [SN]					
Irradiation			Applie	d Absorbe	d-Dose-To	-Water [Gy]:	
field:		Irradiation:	Photons 🗆	FFF 🗆	Electrons	□ ⁶⁰ Co □	
					Nom	inal Energy:	
					Dose ra	ate [Gy/min]:	
	Half value depth R_{50} (for electrons only) [cm]:						
	Correction factor k _{E,M} (for electrons only):						
	Radiation quality index Q (for photons only):						
	Correction factor k _{Q,M} (for photons only):						
		Shape of irr	adiation field:	circ	ular □	square D	
		Field s	ize (50 % Iso	dose) at p	hantom sur	rface [cm] *):	
Irradiation	Irradiation system:						
Set-up:	Radiation incident direction on the phantom: horizontal						
	Distance from focal spot to phantom surface (FOA) [cm]:						
	Measuring depth [cm]:						
	Thickness of th	ne phantom f	ront wall [mm]	:			

*) 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 unambigous 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).

incorrect spelling	correct spelling	remark
Roos 9922	TM34001-9922	missing chamber type
Farmer 4321	TM30013-4321	missing chamber type
30016-0678	TM30016-0678	missing prefix
TM30010-0699	TM30010 -10 -0699	missing type postfix
TM31010-9678	TM31010- 00 9678	missing leading zeros of SN
Unidos 15432	T10001-15432	missing electrometer type

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

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