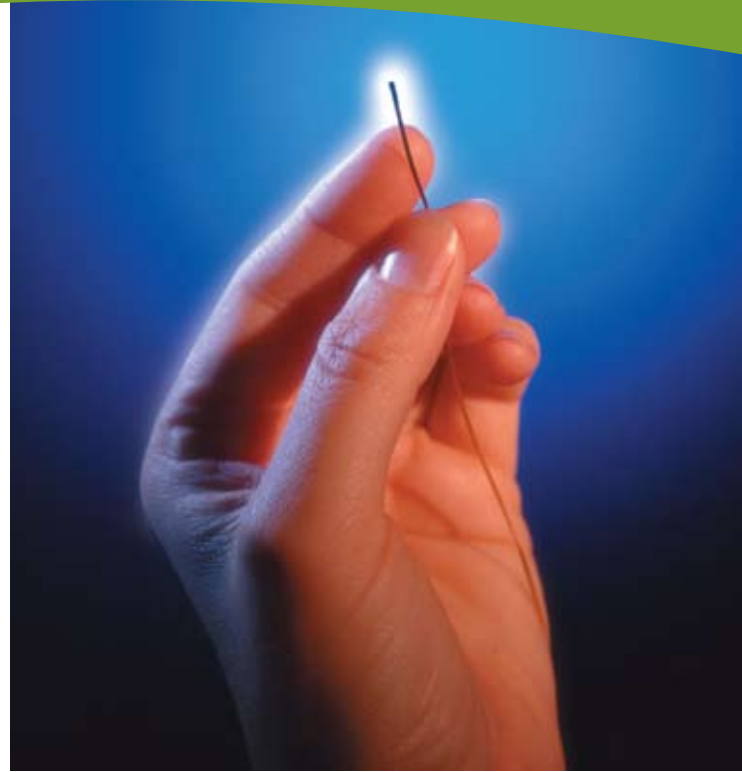


## MOSFET DOSIMETERS

Best® Medical Canada, through CNMC Co. , offers three different styles of MOSFET dosimeters as shown in the table below. With each of these dosimeters, there are also options that can be selected. All of our dosimeters have the same unique features.

### Features:

- ▶ One calibration factor for all photon and electron modalities in the radiotherapy energy range
- ▶ Isotropic ( $\pm 3\%$  or better for 360°)
- ▶ Active region of 0.2 x 0.2 mm
- ▶ Permits pinpoint measurement without patient shielding
- ▶ Dose-rate and temperature independent
- ▶ Unobtrusive in procedures
- ▶ Lightweight and flexible
- ▶ Multiple dosimeter capability with one reader



DOSIMETER TYPE	Flex Width	Flex Length	Flex Thickness	Common Use
Standard MOSFET	2.5 mm	200 mm	0.3 mm	Dose verification during radiotherapy treatments; beam QA
microMOSFET	1.0 mm	375 mm	0.3 mm	Fits down a 6 Fr catheter for dose verification during HDR brachytherapy procedures
Linear 5 Array	1.5 mm	460 mm	1.3 mm	Measurement of urethral dose during prostate brachytherapy procedures

OPTIONS	Application
High sensitivity	These dosimeters are made more sensitive to radiation. Standard dosimeters in standard bias (all readers have two bias settings: std and high) have a nominal sensitivity of 1 mV/cGy. High sensitivity dosimeters in standard bias have 3 mV/cGy, while high sensitivity dosimeters used in high bias will yield a nominal sensitivity of 9 mV/cGy.
Reinforcement	Dosimeters can be reinforced to increase strength and durability.
Radiopaque Marker	A marker can be placed on the end of the dosimeters to make them visible during imaging (e.g. CT)

MODEL NUMBERS	MOSFET		microMOSFET	
	Standard sensitivity	High sensitivity	Standard sensitivity	High sensitivity
Standard	TN-502RD	TN-1002RD	TN-502RDM	TN-1002RDM
Reinforcement	TN-502RD-H	TN-1002RD-H	TN-502RDM-H	TN-1002RDM-H
Radiopaque marker	TN-502RD-HRO	TN-1002RD-HRO	TN-502RDM-HRO	TN-1002RDM-HRO

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