

Test Report

Doc Number :: CTII-20260416-02

Date of execution : 2026.04.16

Recipient : FND(Fun and Dream)

Title : TTest Result

Client	FND(Fun and Dream) / Sungmo Tenteun Rehabilitation Medical Clinic				
Test Content	Radiation dose under individual	Request	Client Request		
Measuring Device	magic max				
Manufacturer	Germany / iba				
Serial number	03A-11-0329				
Calibartion factor	-				
Test Date	2026.04.16				
We hereby notify you of the test results according to the client's request					
Source	GENORAY (ZEN-2090turbo)		TEST Result		
X-ray Conditions	Voltage (kvp)	Current(mA)	Exposure time	mAs	
	60 ~ 100	3	1.0 ~	3.0 ~	
Other Opinions					

책임자	이종남
검사자	김민수

2026.04.16

(주)중앙기술검사원장



주소: 대구광역시 북구 동변로 91

전화번호: 1588-6238

Test Result

1. Method of Testing

The X-ray generation condition is a constant dose rate of (60 ! 100kv, 3.0 mA) 3.0 Sec ~

Dose are measured using the respective additive materials below as variables to compare doses based on additive materials.

Material	Detailed Descripion
R-filter	Additive Material R-Filter provided by the customer

2. Test Result

Varialbe	Do not apply the calibration factor of the instrument because it is a simple comparison for each variable.						
	60 kV / 3 mA			80 kV / 3 mA			비고
	Value (uGy/s)		Value (uGy/s)	Value (uGy/s)		Ave (uGy/s)	
Non-Filter	90.850	91.810	91.330	174.300	174.000	174.150	
R-Filter	11.920	11.940	11.930	37.300	37.270	37.285	
변 수	*각 변수에 따른 단순 선량의 비교이므로 계측기의 교정계수를 적용하지 않음.						
	100 kV / 3 mA						비고
	Value (uGy/s)		Ave (uGy/s)				
Non-Filter	268.100	268.200	268.150				
R-Filter	78.100	78.120	78.110				

Radiation Exposure Reduction Results

Condition	60kv/3mA	Reduction Rate(%)	80kv/3mA	Reduction Rate(%)	100kv/3mA	Reduction Rate(%)
Result	91.8mR->11.94mR	86.99	174.3mR->32.27mR	78.58	268.15mR->78.12mR	70.87

제정일자(2012.02.03) / 개정일자(2013.01.02)