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## CERTIFICATE OF ANALYSIS

PRODUCT NAME	Cardiosight®-S
Catalog Number	C-002
Lot Number	C2-4L1

- ▼ The Cardiosight®-S consists of a population of human induced pluripotent stem cell derived cardiomyocytes. NEXEL Co. Ltd. guarantees this product has passed the following test parameters while adhering to the Cardiosight®-S User Guide. Please keep in mind, electrophysiology measures will vary with plating conditions.

PARAMETER	RESULT
Purity / Identity	97.2 % Cardiomyocytes (+cTnT)
Cell Count & Viability	5.6 million cells (63.8%)
Electrophysiology	
Beat interval	40.59
FPD (FPDcF)	699 ms ( 625 ms)
Drug Response	
E4031 (FPDcF increase at 0.01 $\mu$ M > 20%)	Pass
Nifedipine (FPDcF decrease at 0.1 $\mu$ M > 30%)	Pass
Mexiletine (Spike amplitude decrease at 10 $\mu$ M > 50%)	Pass
Sterility	Pass
Mycoplasma	Negative
Bacteria	Negative

The signature below attests that the above tests were performed according to NEXEL SoP.

Quality Control Test by: Jieun An  Date: October 26, 2021

The signature below attests that the production lot has been cleared for sales & distribution.

Approved for Sale by: Dong-Hun Woo  Date: October 26, 2021