Supplementary file 1: screenshot of electrochemical procedure in Maccor cycler.

STA	Description STA studies, condition and charge a cell.														
	I A studies, condition and chargé à Cell.														
Step	Туре	Mode	Value	Limit	Value	End Type	Ор	Value	Goto	Report Type	Value	Ontione	Step Note (80 character maximum)		
0.0p	Rest	mode	Valac	Link	Value	Step Time	=	00:00:05	002	Step Time	00:00:01	ANNN	Step Note (ou character maximum)		
						Voltage	>=	4.3	011						
						Thermocouple	>=	1/50.0	011						
2	Rest					Step Time	=	00:01:00	003	Step Time	00:00:10	ANNN	Collect OCV of a fresh cell		
3	Do1														
4	Charge	Current	0.05C	Voltage	4.2	Current	<=	0.02C	005	Step Time	00:01:00	ANNN			
						Step Time	=	30:00:00	005	Voltage	0.1				
5	Rest					Step Time	=	01:00:00	006	Step Time	00:01:00	ANNN			
										Voltage	0.1				
6	Discharge	Current	0.05C			Voltage	<=	3.0	007	Step Time	00:01:00	ANNN			
						Step Time	=	30:00:00	007	Voltage	0.1				
7	Rest					Step Time	=	01:00:00	008	Step Time	00:01:00	ANNN			
								01.00.00		Voltage	0.1				
8	Loop1					Loop Count	=	2	009				Charge-Discharge 2 times		
9	Charge	Current	0.05C	Voltage	4.2	Current	<=	0.02C	010	Step Time	00:01:00	ANNN	Final charge		
						Step Time	=	30:00:00	010	Voltage	0.1				
10	Rest					Step Time	=	01:00:00	011	Step Time	00:01:00	ANNN			
										Voltage	0.1				
11	End														
12															