

## APPENDIX A

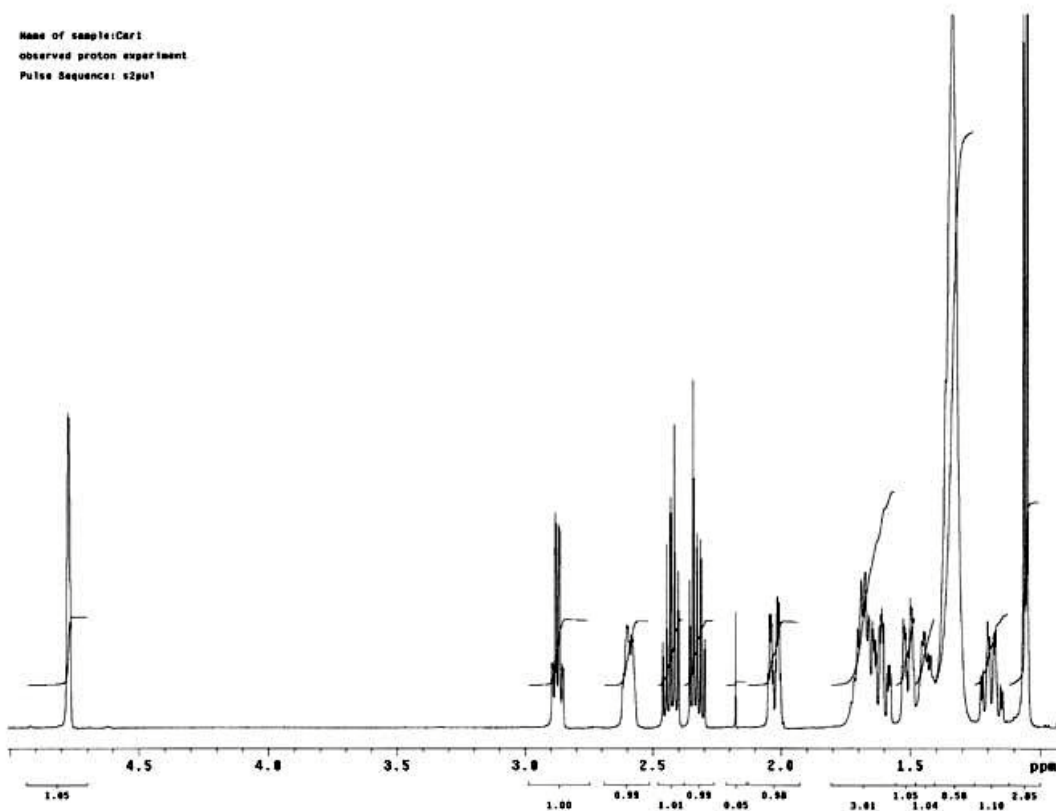
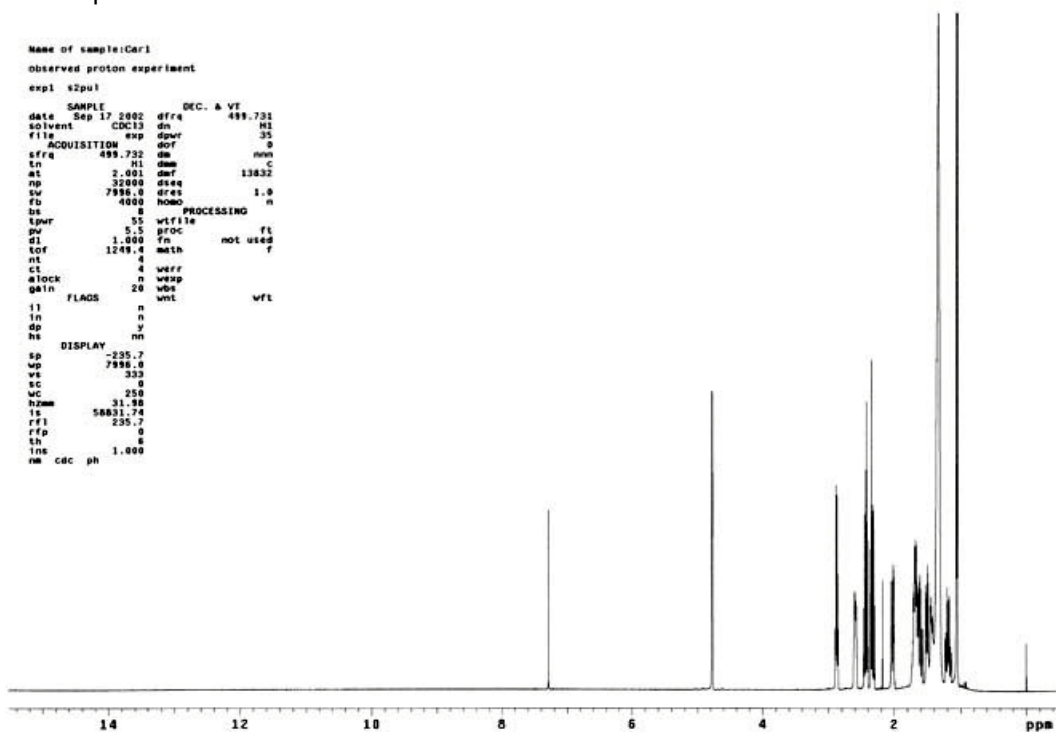
Chemical compositions of physiological solutions which used in experimentation

Chemical composition (mM)	Physiological solution			
	Ca <sup>2+</sup> solution			Ca <sup>2+</sup> -free solution
	Jalon-Ringer	Lock-Ringer	Depolarizing	
NaCl	154	154	103.3	103.3
KCl	5.63	5.63	56.3	56.3
CaCl <sub>2</sub>	0.648	2.16	0.648	-
NaHCO <sub>3</sub>	5.95	5.95	5.95	5.95
MgCl <sub>2</sub>	-	2.10	-	-
Glucose	2.77	5.55	2.77	2.77
EDTA	-	-	-	0.01

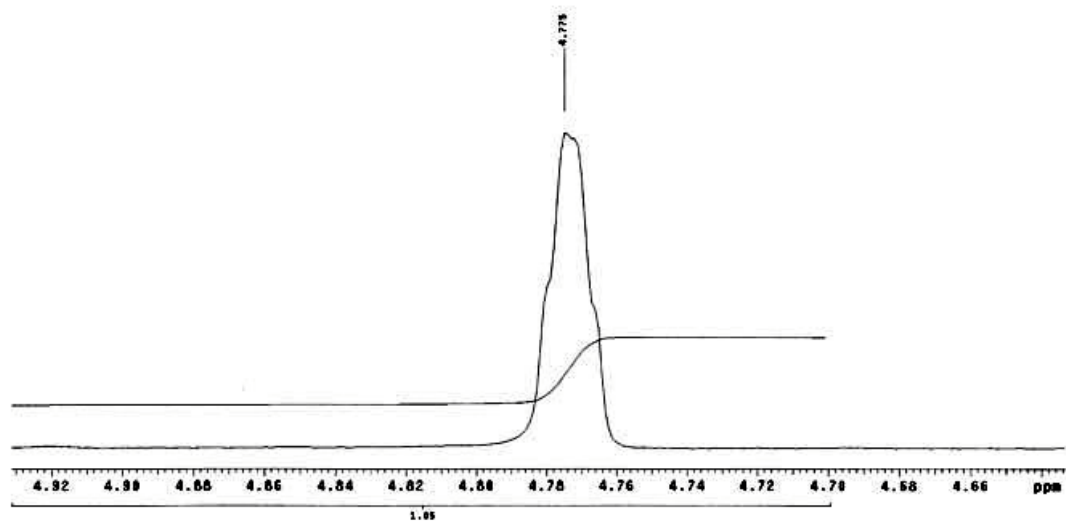
(Source: Pérez-Guerrero et al., 1996).

## APPENDIX B

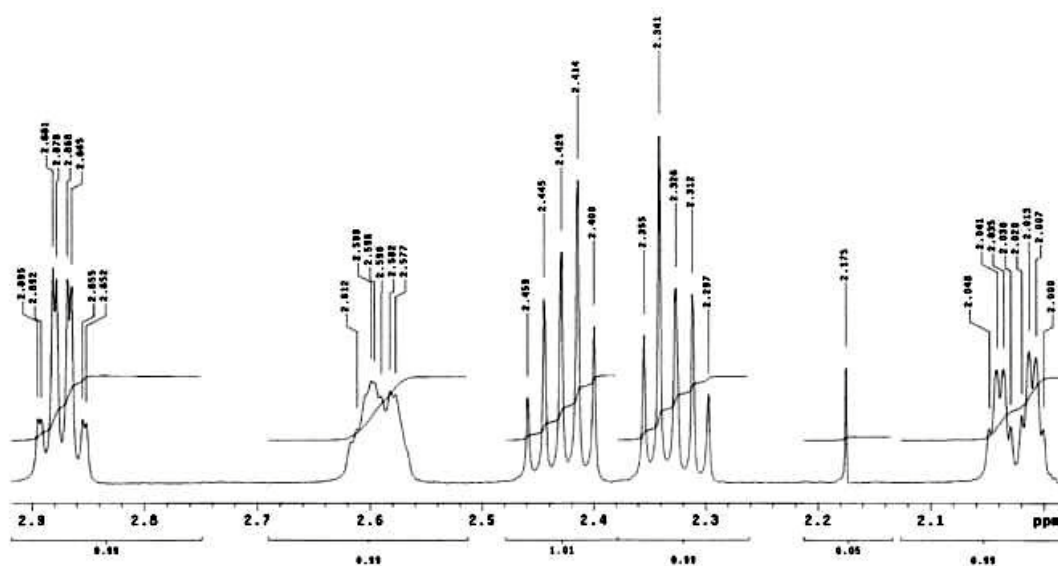
The representative spectra of  $^1\text{H}$  NMR recorded on NMR 500 MHz model UNITY INOVA Varian spectrometer



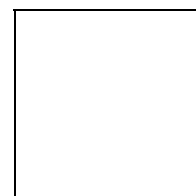
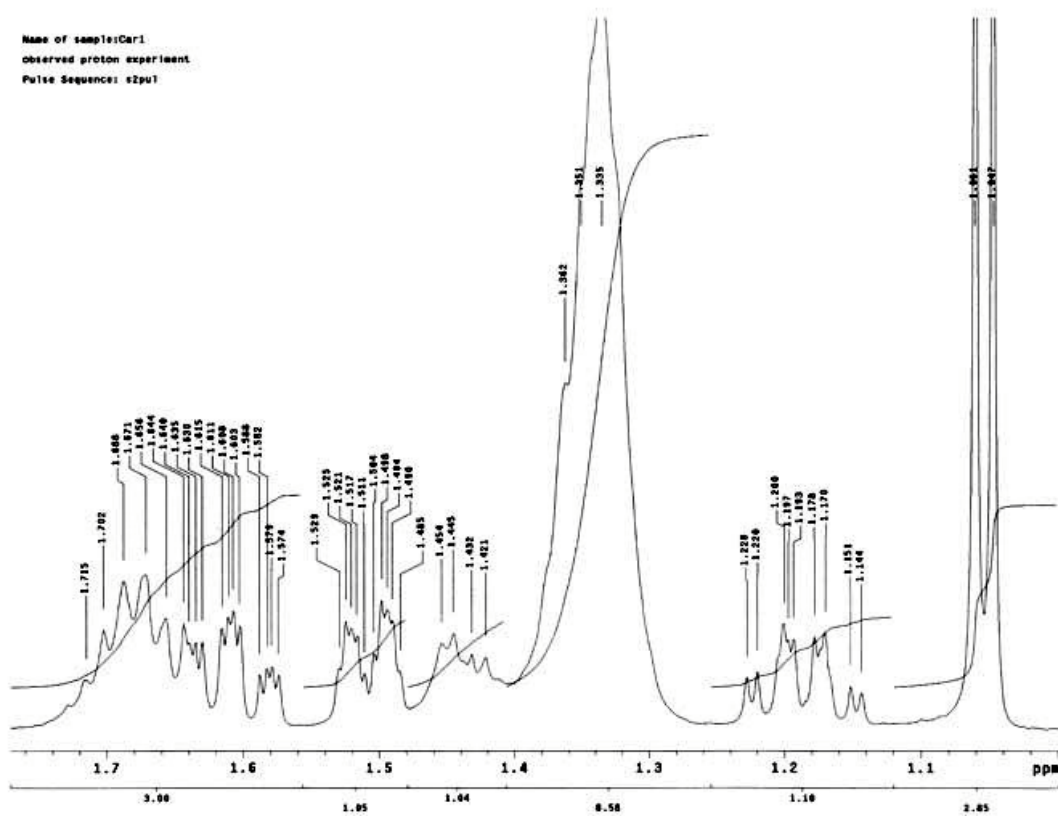
Name of sample: Car1  
 observed proton experiment  
 Pulse Sequence: s2pu1



Name of sample: Car1  
 observed proton experiment  
 Pulse Sequence: s2pu1

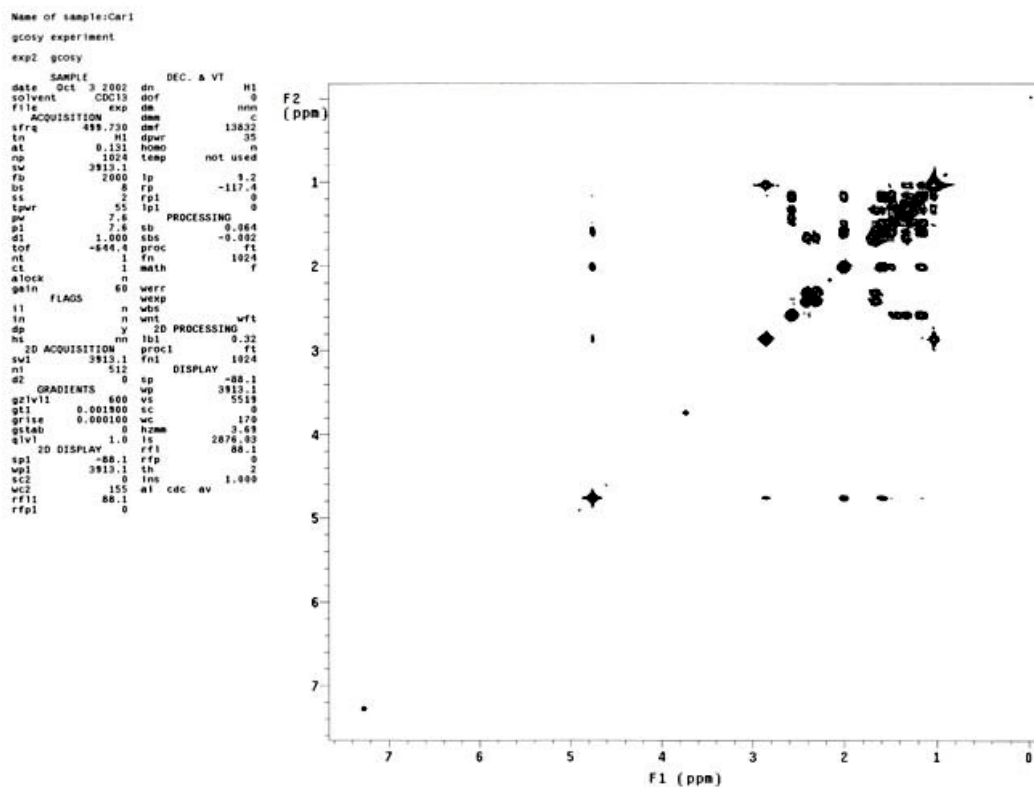




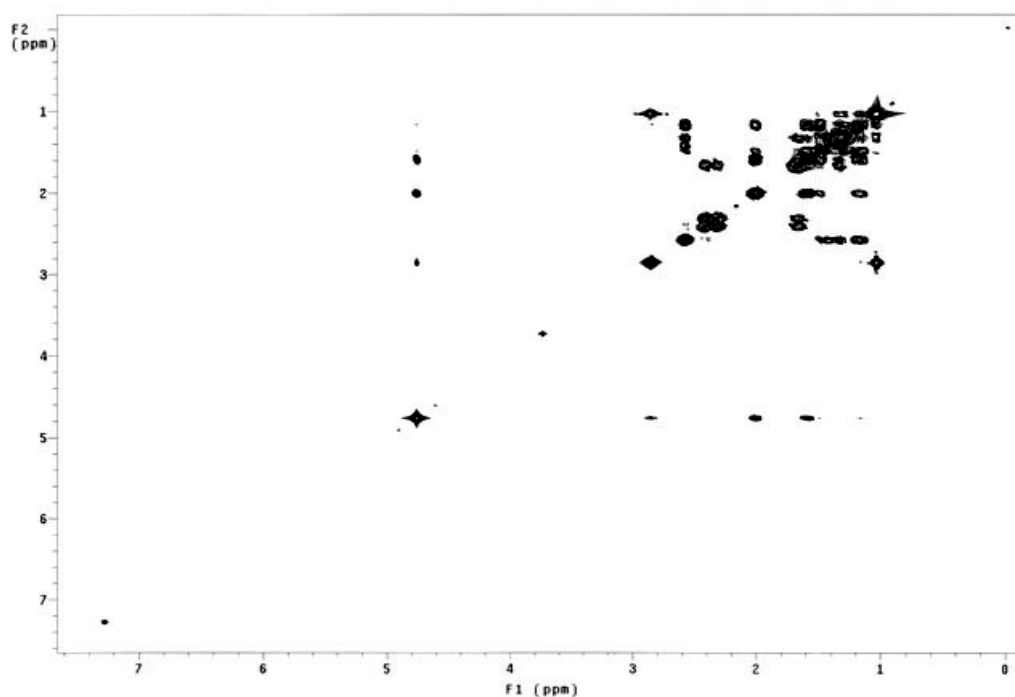


## APPENDIX C

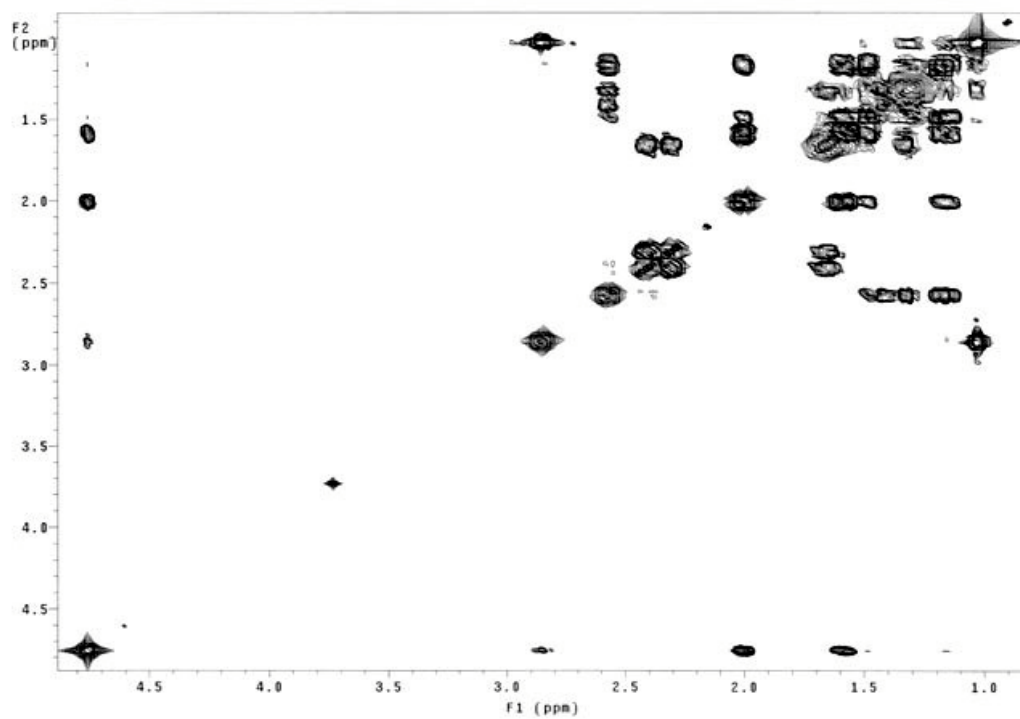
The representative spectra of  $^{13}\text{C}$  NMR recorded on NMR 500 MHz model UNITY INOVA Varian spectrometer



Name of sample: Car1  
gcosy experiment  
Pulse Sequence: gcosy



Name of sample: Carl  
gcosy experiment  
Pulse Sequence: gcosy



Name of sample: Carl  
gcosy experiment  
Pulse Sequence: gcosy

