

**3T ADNI GE E2 M4 Software, QC Phantom**  
**CRM Gradient and 8-channel Brain Coil**

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Set up the phantom according to the ADNI instruction manual. Use the 8-channel brain coil.

Use the electronic ADNI protocol that has been loaded on your scanner.

**NOTE:** The "adni" pulse sequence used for series 2 is a works in progress pulse sequence that ADNI sites obtain from GE Healthcare.

<b>SERIES</b>	1. 3 plane loc.	scan plane mode SAT	<i>IMAGING PARAMETERS</i>		<i>ACQUISITION TIMING</i>	
	coil 8hrbrain		3-plane	matrix/nex	256 / 128 / 1	
	etl			fov (cm)	26	
	scan time :16			slice/space	5 / 5	
comments	Use 8-channel brain coil.		autoshim	On		

<b>SERIES</b>	2. Sag MPRAGE	scan plane mode pulse seq image opts. psd name  User CVs	<i>IMAGING PARAMETERS</i>		<i>ACQUISITION TIMING</i>	
	coil 8hrbrain		Sag	matrix/nex	256 / 256 / 1	
	#echos 1		3D	phase fov	0.94	
	te min full		SPGR	locs/pause	S/l	
Prep time 900	EDR, IrPrep, Fast	adni	freq. direct.			
flip angle 8			fc direct			
etl		<i>ADDITIONAL PARAMETERS</i>		phase corr		
bw1/bw2 31.25		Filter Choices = none	autoshim	On		
scan time 9:14		turbo mode = 1	fov	<i>SCANNING RANGE</i>		
comments	Cover the phantom	swap fat chem shift = 1	slice/space	26		
		mprage mode = 1		1.3mm 170 locs/slab		
		TD or mprageTR=2300				