

Materials List for:

# Structure of HIV-1 Capsid Assemblies by Cryo-electron Microscopy and Iterative Helical Real-space Reconstruction

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URL: <https://www.jove.com/video/3041>

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## Materials

Name	Company	Catalog Number	Comments
Glow-discharge device 100X	Glow-discharge device 100X		
Tecnai Polara F30 microscope with a Field Emission Gun	FEI		
Gatan 4K x 4K CCD camera	Gatan		
Plunge-freezing device			Home-made manual gravity plunger
Quantifoil R2/1 200 mesh holey-carbon copper grids	Quantifoil Micro Tools		
EM software EMAN			<a href="http://blake.bcm.edu/EMAN/">http://blake.bcm.edu/EMAN/</a>
EM software IHRSR			Programs available from Edward H. Egelman <a href="http://people.virginia.edu/~ehe2n/">http://people.virginia.edu/~ehe2n/</a>
EM software Spider			<a href="http://www.wadsworth.org/spider_doc/spider/docs/spider.html">http://www.wadsworth.org/spider_doc/spider/docs/spider.html</a>
MRC based helical processing software			Programs available from Koji Yonekura <a href="http://www.riken.jp/biostmech/index.html">http://www.riken.jp/biostmech/index.html</a>
CTFFIND3/CTFTILT and Real-space helical refinement software			<a href="http://emlab.rose2.brandeis.edu/software">http://emlab.rose2.brandeis.edu/software</a>