



wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 11:31 am GMT

EMDB ID : EMD-22967
Title : Negative stain electron microscopy reconstruction of 2P SARS-CoV-2 spike ectodomain in the 3-RBD-down state after cold-denaturation at 4 degrees C for one week followed by re-naturation at 37 degrees C for 3 hours.
Authors : , Edwards.RJ.; , Mansouri.K.
Deposited on : 2020-11-07
Resolution : 16.80 Å(reported)

This is a wwPDB EM Map Validation Summary Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMMapValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

EMDB validation analysis : **FAILED**
Validation Pipeline (wwPDB-VP) : 2.13

1 Experimental information

Property	Value	Source
EM reconstruction method	singleParticle	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	20643	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI/PHILIPS EM420	Depositor
Voltage (kV)	120	Depositor
Electron dose ($e^-/\text{\AA}^2$)	32.0	Depositor
Minimum defocus (nm)	0.4	Depositor
Maximum defocus (nm)	1.5	Depositor
Magnification	82000.0	Depositor
Image detector	OTHER	Depositor