



## wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 12:28 pm GMT

EMDB ID : EMD-5224  
Title : Human 80S ribosome in situ, untreated  
Authors : , Brandt.F.; , Carlson.L-A.; , Hartl.FU.; , Baumeister.W.; , Grunewald.K.  
Deposited on : 2010-08-10  
Resolution : 39.00 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](mailto: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.

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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             | subtomogramAveraging   | Depositor |
| Imposed symmetry                     | Not Provided           | Depositor |
| Number of images used                | 1911                   | Depositor |
| Resolution determination method      | FSC 0.5 CUT-OFF        | Depositor |
| CTF correction method                | Not provided           | Depositor |
| Microscope                           | FEI/PHILIPS CM300FEG/T | Depositor |
| Voltage (kV)                         | 300                    | Depositor |
| Electron dose ( $e^-/\text{\AA}^2$ ) | 80                     | Depositor |
| Minimum defocus (nm)                 | 5.0                    | Depositor |
| Maximum defocus (nm)                 | 7.0                    | Depositor |
| Magnification                        | 17500.0                | Depositor |
| Image detector                       | GATAN MULTISCAN        | Depositor |