# Monoclinic 2/*m* $C_{2h}^{5}$ $P\,2_1/a$

Patterson symmetry *P* 1 1 2/*m* $P\ 1\ 1\ 2_1/a$ No. 14

UNIQUE AXIS *c*, CELL CHOICE 1

**Origin** at $\bar{1}$

**Positions**

| Multiplicity, Wyckoff letter, Site symmetry, Coordinates | | | Patterson peaks (U, V, W (Multiplicity)) | | |
|---|---|---|---|---|---|
| 4 e 1 | x,y,z; 1/2-x,-y,1/2+z; etc. | | | | |
| | ***0, 0, 0 (4)*** | ***1/2+2x, 2y, 1/2 (2)*** | ***2x, 2y, 2z (1)*** | ***1/2, 0, 1/2+2z (2)*** | |
| 2 d $\bar{1}$ | 1/2,1/2,0; 0,1/2,1/2 | | | | |
| | ***0, 0, 0 (2)*** | ***1/2, 0, 1/2 (2)*** | | | |
| 2 c $\bar{1}$ | 1/2,0,0; 0,0,1/2 | | | | |
| | ***0, 0, 0 (2)*** | ***1/2, 0, 1/2 (2)*** | | | |
| 2 b $\bar{1}$ | 0,1/2,0; 1/2,1/2,1/2 | | | | |
| | ***0, 0, 0 (2)*** | ***1/2, 0, 1/2 (2)*** | | | |
| 2 a $\bar{1}$ | 0,0,0; 1/2,0,1/2 | | | | |
| | ***0, 0, 0 (2)*** | ***1/2, 0, 1/2 (2)*** | | | |

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**Vectors between two sets of unique atoms**

| Wyckoff letters | | Wyckoff letters |
|---|---|---|
| e, e | ***x1-x2, y1-y2, z1-z2 (2)*** | ***1/2, 1/2, 1/2 (4)*** |
| | ***1/2+x1+x2, y1+y2, 1/2+z1-z2 (2)*** | |
| | ***x1+x2, y1+y2, z1+z2 (2)*** | |
| | ***1/2+x1-x2, y1-y2, 1/2+z1+z2 (2)*** | |
| e, d | ***1/2+x1, 1/2+y1, z1 (2)*** | |
| | ***x1, 1/2+y1, 1/2+z1 (2)*** | |
| e, c | ***1/2+x1, y1, z1 (2)*** | |
| | ***x1, y1, 1/2+z1 (2)*** | |
| e, b | ***x1, 1/2+y1, z1 (2)*** | |
| | ***1/2+x1, 1/2+y1, 1/2+z1 (2)*** | |
| e, a | ***x1, y1, z1 (2)*** | |
| | ***1/2+x1, y1, 1/2+z1 (2)*** | |
| d, c | ***0, 1/2, 0 (4)*** | |
| | ***1/2, 1/2, 1/2 (4)*** | |
| d, b | ***1/2, 0, 0 (4)*** | |
| | ***0, 0, 1/2 (4)*** | |
| d, a | ***1/2, 1/2, 0 (4)*** | |
| | ***0, 1/2, 1/2 (4)*** | |
| c, b | ***1/2, 1/2, 0 (4)*** | |
| | ***0, 1/2, 1/2 (4)*** | |
| c, a | ***1/2, 0, 0 (4)*** | |
| | ***0, 0, 1/2 (4)*** | |
| b, a | ***0, 1/2, 0 (4)*** | |