

SG No. 7    $C_s^2$     $Pc$    (b-axis setting)   [ monoclinic ]

\* generator :  $\{m_{010}|00\frac{1}{2}\}$   
\* symmetry operation    $+ [0, 0, 0]$

Table 1: Symmetry operations for 3d polar vector.

No.	tag	matrix (polar)	det
1	{1 0}	$\begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \end{bmatrix}$	1
2	{ $m_{010} 00\frac{1}{2}$ }	$\begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & -1 & 0 & 0 \\ 0 & 0 & 1 & \frac{1}{2} \end{bmatrix}$	-1