## Kb-007

## Room: C304

## Dendritic olivine in the late-intrusive wehrlite from the northern Oman ophiolite.

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Dendritic olivine was found in the late-intrusive wehrlite which intrude into the layered gabbro in the northern Oman ophiolite. The part with dendritic olivine is relatively rich in plagioclase and cpx and is olivine gabbro showing poikilitic texture. Dendritic olivine is about 2~5 cm in length and is associated with clinopyroxene, plagioclase, hornblende and aluminous spinel. From the mode of occurrence dendritic olivine is not a quench crystal. Water was possibly supplied from the surrounding gabbro which had been altered to some extent, when the hot olivine-rich crystal mush intruded. This drove the interstitial melt to be supersaturated in olivine to precipitate dendritic olivine.

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