

15624      MEDIUM-GRAINED OLIVINE-NORMATIVE      ST. 9A      0.20 g  
MARE BASALT

INTRODUCTION: 15624 is a medium-grained, olivine-bearing mare basalt which is vesicular (Fig. 1). It is tough and was collected as part of the rake sample at Station 9A.

PETROLOGY: 15624 is an olivine microgabbro (Fig. 2). Zoned pyroxenes and hollow, lathy plagioclases less than 1 mm long form the bulk of the sample. Small olivines (less than 1/2 mm) form a few per cent of the sample. Some portions are extremely mafic, suggesting mafic accumulation.

PROCESSING AND SUBDIVISIONS: 15624 has been entirely consumed in making thin sections ,0 and ,6, except for two tiny potted butts which remain.



Figure 1. Pre-chip view of 15624. S-71-49325



**Fig. 2a**



**Fig. 2b**

Figure 2. Photomicrographs of 15624,6.  
Widths about 3 mm. a) transmitted light; b) crossed polarizers.