

## 令和3年度「日本薬局方の試験法等に関する研究」研究報告 生薬の鏡検に関する研究 (第5報)\*5

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### Study of Microscopic Examination for Crude Drugs (Part 5)\*5

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#### Summary

In the Japanese Pharmacopoeia (JP), microscopic examination of crude drugs is very important to decide whether or not they conform the required specifications.

However, in the absence of visual information, such as schematic drawings or images of each crude drug, considerable experience is needed to observe and identify internal morphology by means of microscopic observation.

Therefore, the aims of this study were as follows: (1) to accumulate the images of crude drugs, taking into consideration that they are influenced by the method of preparation for sections (2) to investigate the images of commercial Platycodon Root and Powdered Platycodon Root, and (3) to interpret the internal anatomical characteristics with the aid of these images in the context of the JP.

#### Key words

The Japanese Pharmacopoeia, Crude Drugs, Microscopic Examination, Identification, Tissue Sections, Internal Morphology, Platycodon Root, Powdered Platycodon Root