

## 板蓝根饮片的浸润切制工艺优选

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中文摘要:目的: 优选板蓝根饮片的浸润切制工艺条件。方法: 以(R,S)-告依春、水浸出物、醇浸出物的含量为综合评价指标,选取药材浸润用水量、浸润时间、饮片厚度为考察因素,通过正交设计法优选板蓝根饮片的浸润切制工艺条件。采用质量法测定浸出物含量,HPLC测定(R,S)-告依春含量。结果: 影响板蓝根饮片浸润切制的主要因素为切片厚度,其次为浸润时间和浸润用水量。优选的板蓝根饮片的浸润切制工艺为板蓝根药材加0.6倍量水浸润20 h,切片厚度3 mm,60℃烘干。结论: 优选的浸润切制工艺稳定可行,为板蓝根饮片炮制工艺的规范化及质量标准提供实验依据。

中文关键词: [板蓝根](#) [浸润切制](#) [工艺优选](#) [综合指标](#) [正交设计](#)

## Optimization of Infiltration and Cutting Technology for Pieces of *Isatis indigotica*

**Abstract: Objective:** To optimize infiltration and cutting technology conditions for pieces of *Isatis indigotica*. **Method:** With the content of water extract, alcohol extract and (R,S)-goitrin as indexes, water consumption, infiltration time and thickness of pieces were selected as factors, infiltration and cutting technology for pieces of *I. indigotica* was optimized by orthogonal test. The content of extract and (R,S)-goitrin were determined by gravimetric method and HPLC. **Result:** Thickness of pieces was major factor for infiltration and cutting technology of pieces of *I. indigotica*, followed by infiltration time and water consumption. Optimum infiltration and cutting technology was: infiltrated 20 h with 0.6 times the amount of pieces of *I. indigotica*, thickness of pieces 3 mm and drying at 60°C. **Conclusion:** Optimized infiltration and cutting technology was stable and feasible, it could provide experimental basis for processing technology standardization and quality standard of pieces of *I. indigotica*.

**keywords:** [Isatis indigotica](#) [infiltration and cutting](#) [technology optimization](#) [comprehensive index](#) [orthogonal design](#)

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