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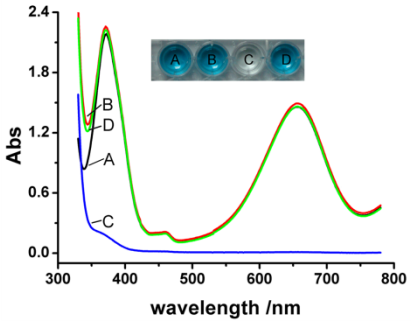
Detection of biological thiols based on a colorimetric method

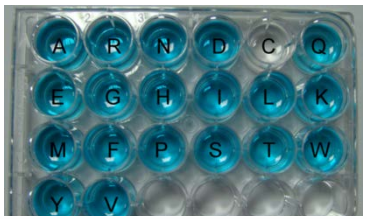
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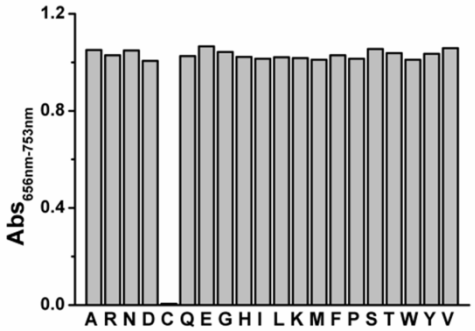
Key words: Biothiols, Detection, Colorimetric method, Bovine plasma, Cell lines

Research Summary

This research mainly focused on the quantification of biothiols in real samples based on a simple colorimetric method, which included the following aspects :







- **The optimization of the colorimetric method**
- **Detection of biothiols in bovine plasma**
- **Detection of biothiols in different cell lines**



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Innovation points

- **Introduction** of biothiols' detection in real samples.

- **Summary** of the biothiols amounts in bovine plasma and different cells.

- **Emphasis** of the biothiols in embryonic fibroblast cell higher than in other six cells.

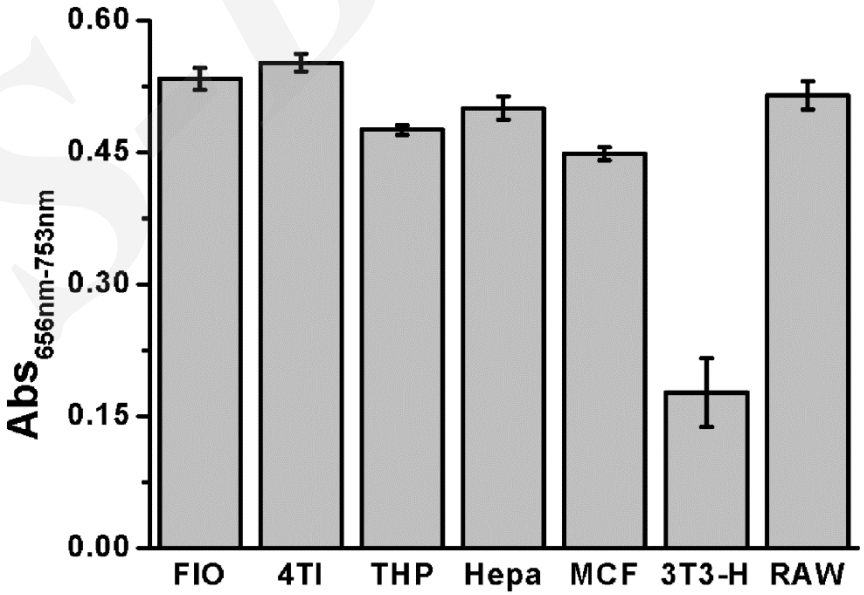


Table 1 | The determination of biothiols in bovine plasma.

Fig. 5 | The determination of biothiols in different cells.

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