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Fingerprint-like pattern for recognition of thiols

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Highlights

1. A DNA-based label-free sensor array was constructed for the discrimination of various thiols.
2. Chiral compounds (L-Cys and D-Cys) with different concentrations were successfully identified.
3. The work offered a rapid and flexible sensor array for the determination of biothiols in serum samples.

ABSTRACT:

Biothiols play essential roles in regulating redox balance and its levels in biological systems may aid early diagnosis of disease states. However, finding a rapid and effective method for the simultaneous discrimination of these thiols is always a

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