



## Analysis of Aminoglycoside Antibiotics

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### Introduction

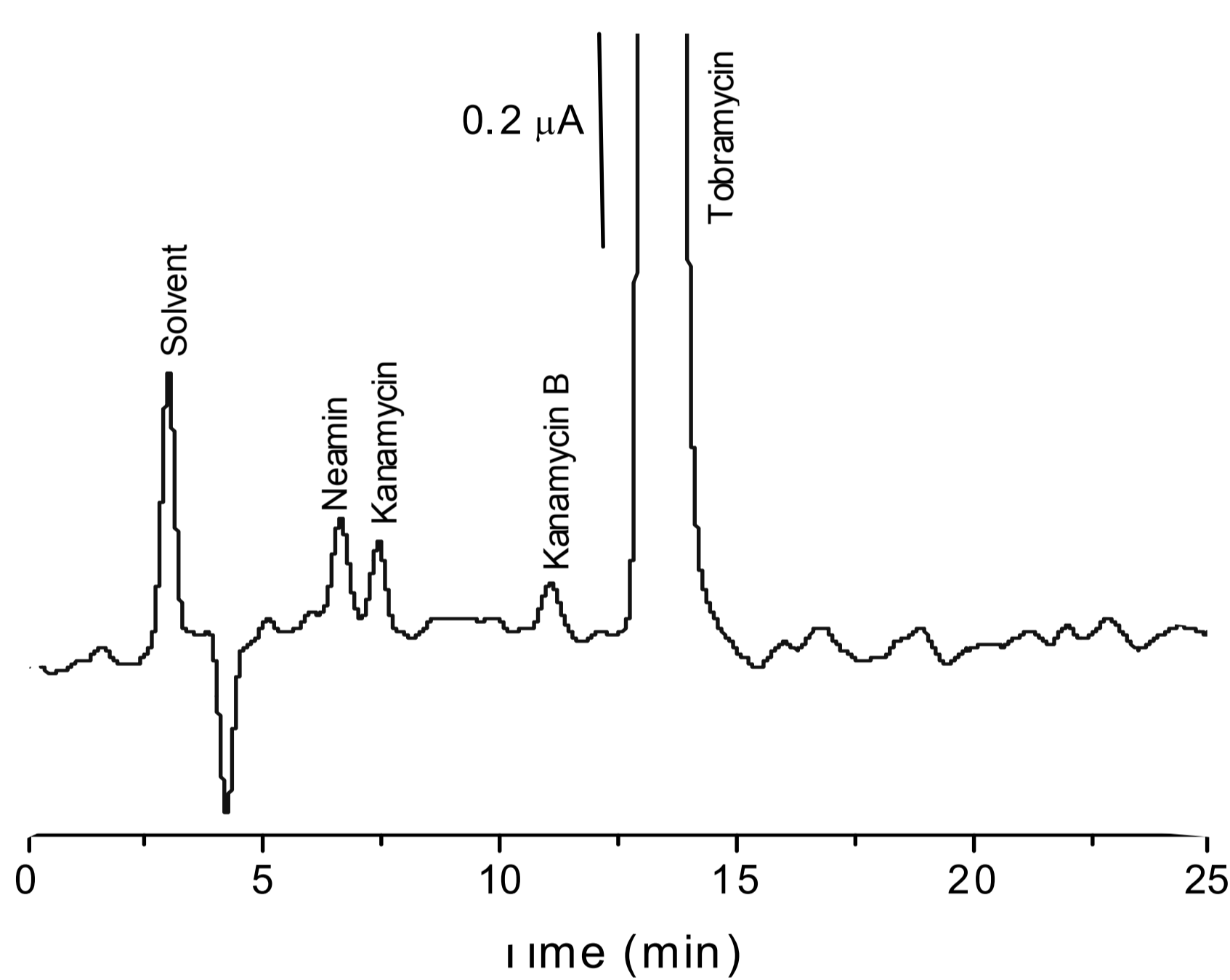
A dedicated HPLC-EC system for the analysis of aminoglycosides such as Neomycin, Tobramycin, Gentamicin, Lincomycin, Spectinomycin, Kanamycin and Amikacin is presented. The system is ideally suited for the analysis of these antibiotics in pharmaceutical formulations and bulk products including identification and quantification of their by-products and impurities. Examples of several validated assays are presented conform European or US Pharmacopoeia.



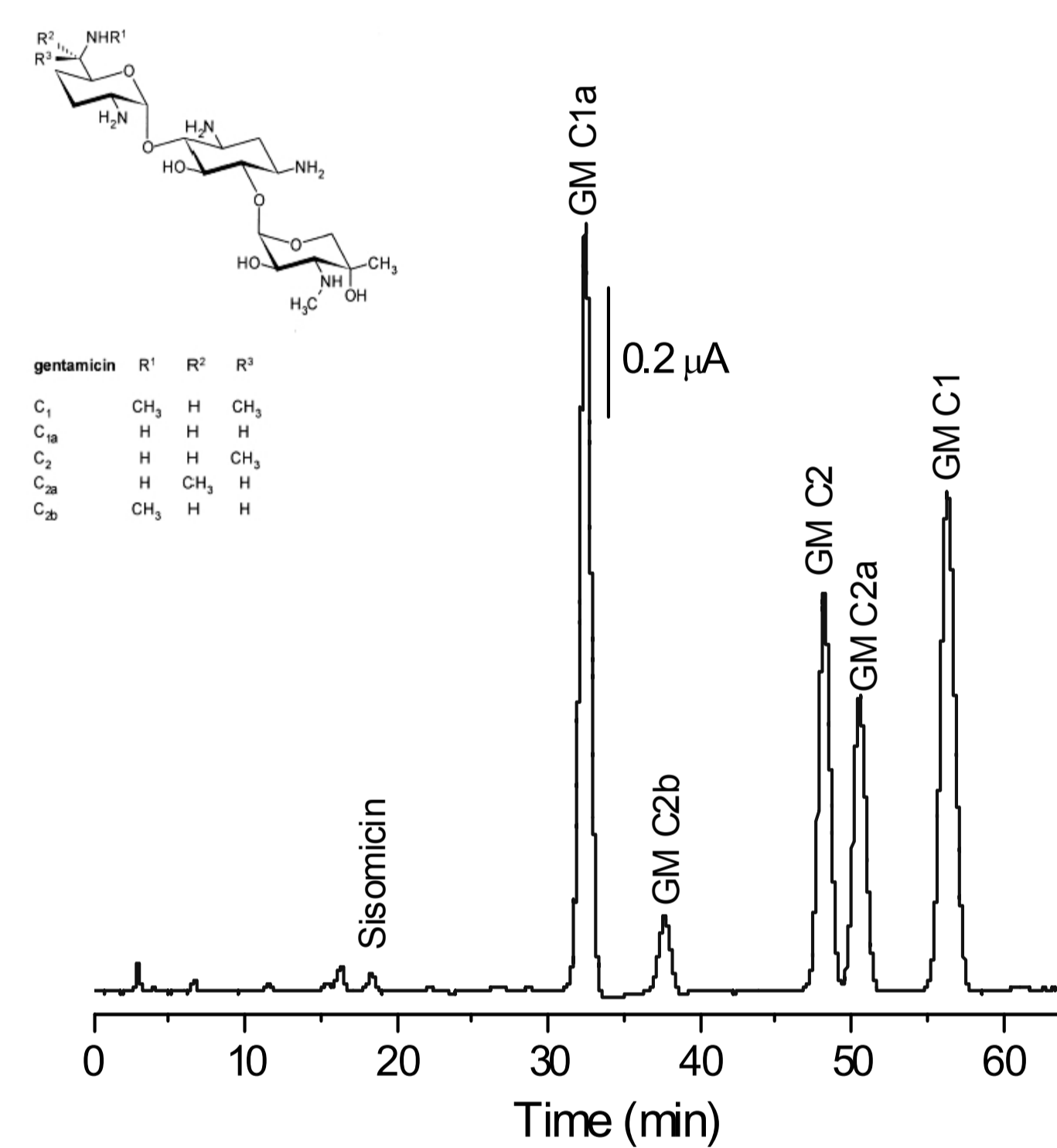
### Features Aminoglycoside Analyzer

- EP and US Pharmacopoeia conform
- Routine analysis
- Versatile, one system for all
- Dedicated accessory kits
- Robust

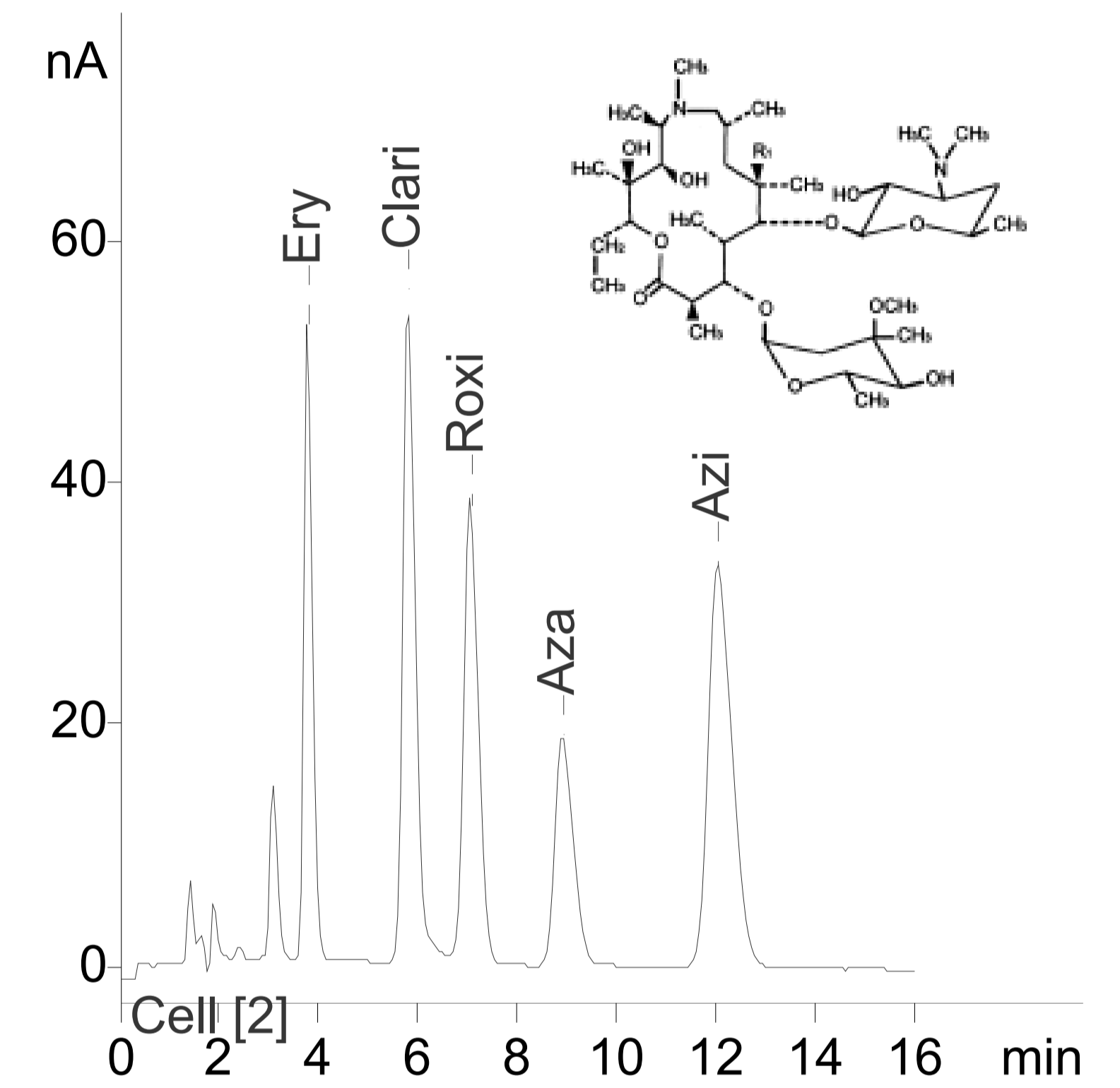
### Tobramycin



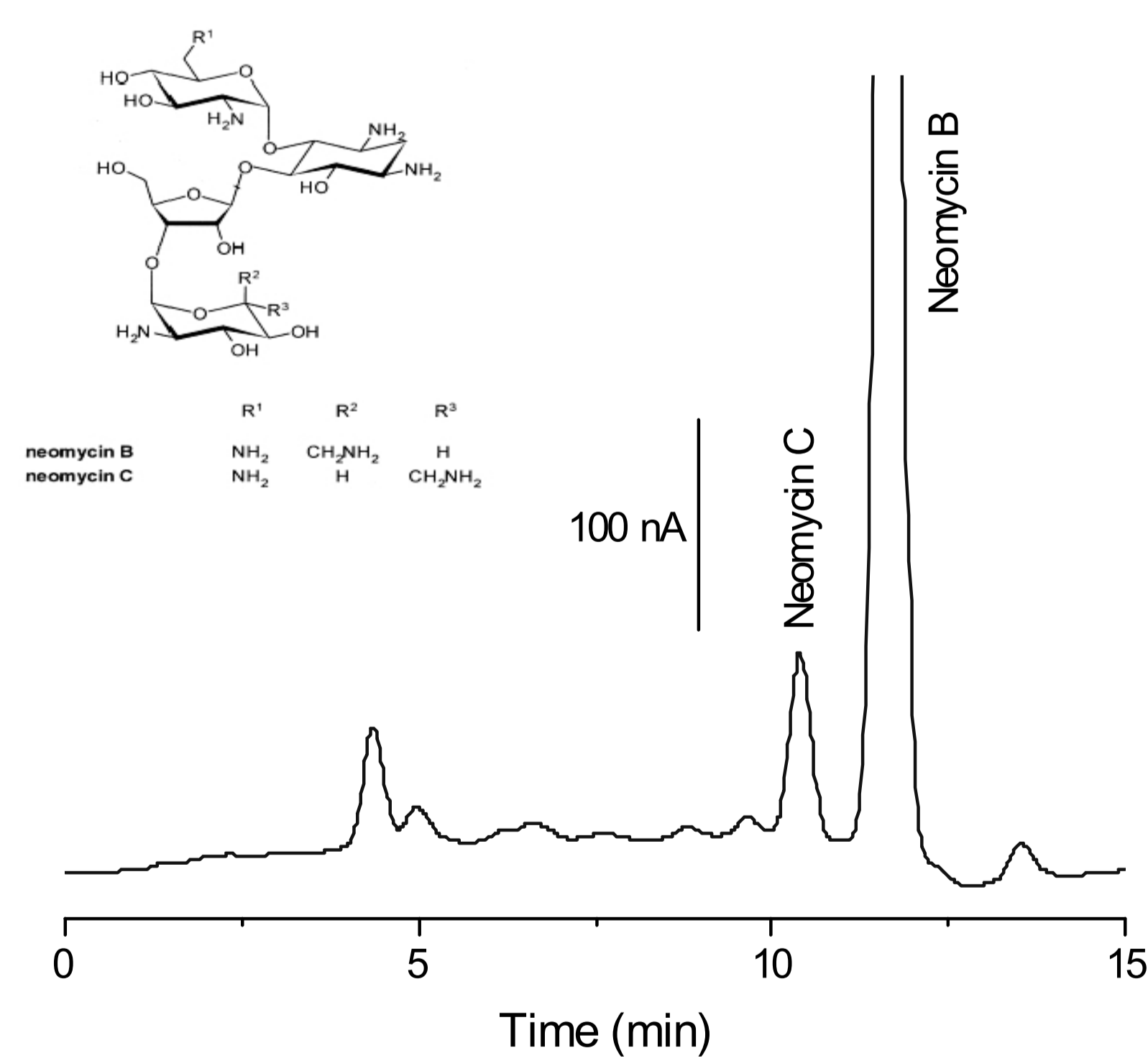
### Gentamicin



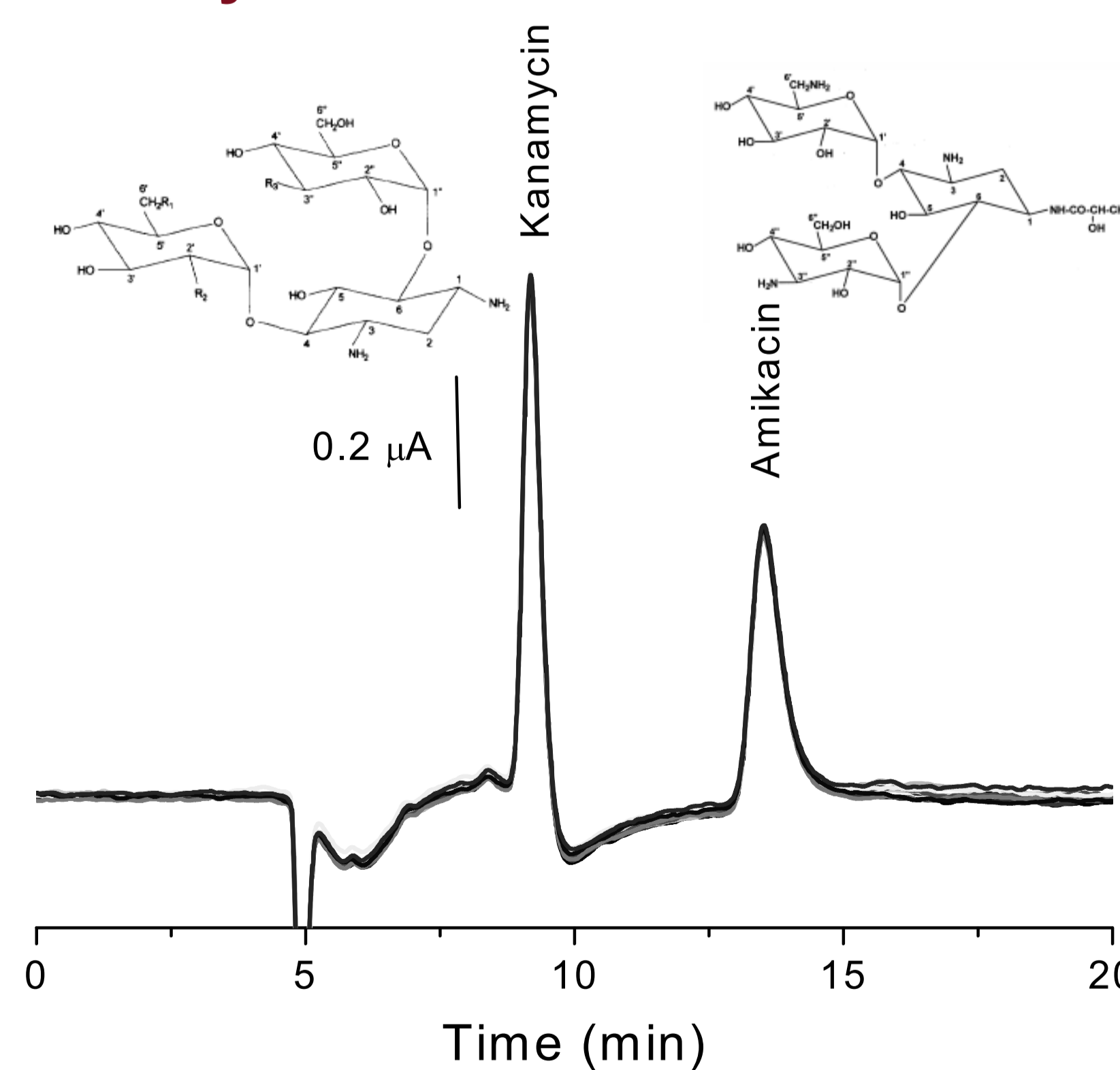
### Azithromycin



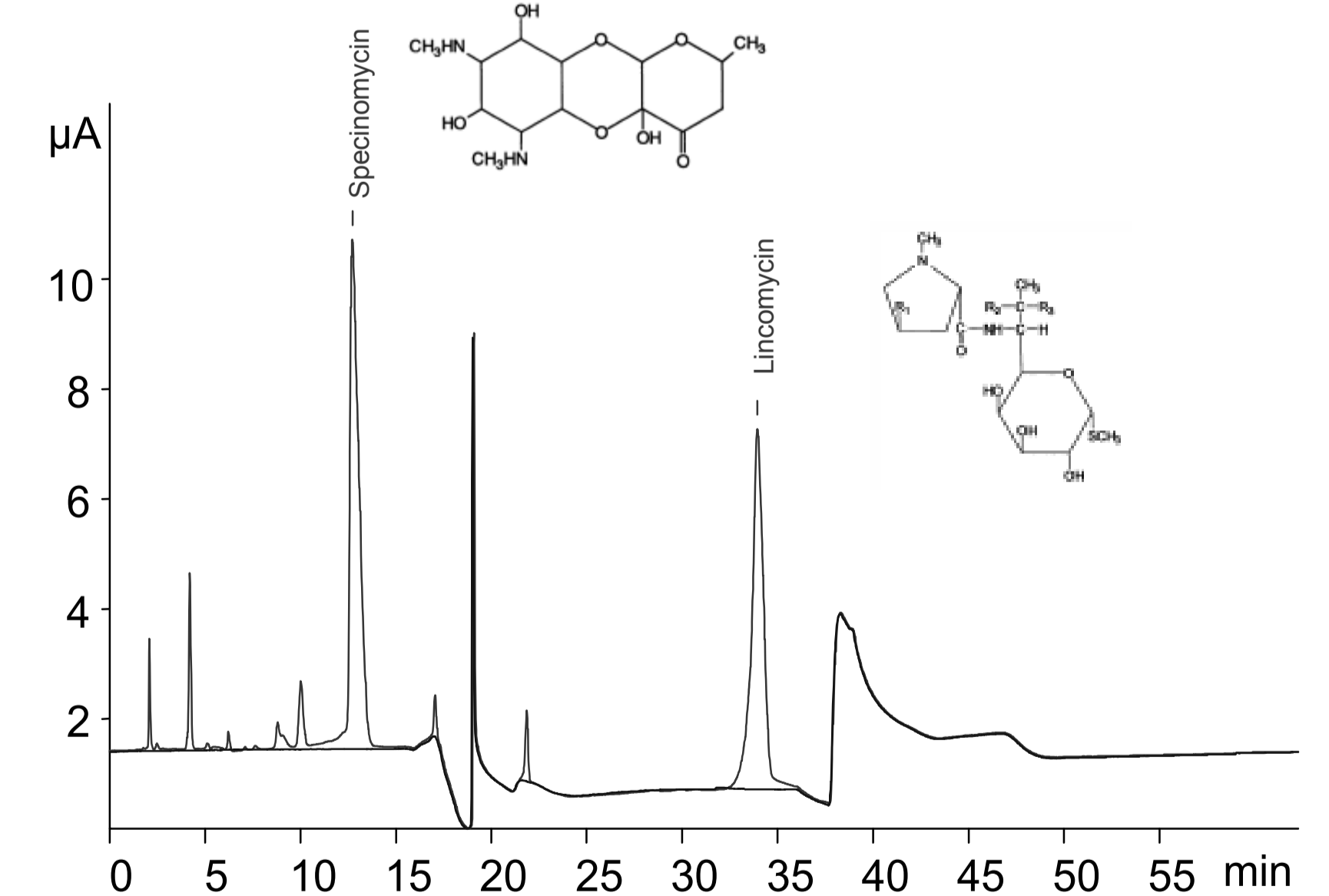
### Neomycin



### Kanamycin and Amikacin



### Spectinomycin & Lincomycin



### Conclusion

All relevant HPLC and detection parameters such as mobile phase composition, working potential etc. have been established and optimised. The robustness, linearity and repeatability of the method has been determined. With this dedicated analyzers, the analysis of aminoglycoside antibiotics according EP or US Pharmacopoeia has become routine.