umožnily stanovit více látek různých generací i farmakologicky aktivních metabolitů v jedné analýze. Pro analýzu imunosupresiv, především cyklosporinu A a takrolimu bylo vyvinuto množství imunoanalytických metod od RIA, EMIT, FPIA a CMIA, ale žádná z těchto metod nedokázala úplně eliminovat možnost zkřížených reakcí s metabolity a tím nadhodnocení parentní látky. Proto dochází k jejich postupnému nahrazování metodami chromatografickými. U sirolimu a everolimu, které se jako imunsupresiva začaly používat později, už nabídka imunoanalýz nebyla tak široká, a proto se především používají metody LC-MS/MS. Tyto metody se využívají i pro všechny další farmakologické skupiny, které se začaly monitorovat později, jako jsou psychofarmaka, beta-laktamová antibiotika, antivirotika, antihypertenziva a antimykotika.

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