

Supplementary Material

Table S1

Development of sensitivities of LC-MS/MS equipment from the same manufacturer over the time: signal intensity for 1 pg reserpine and respective limit of detection assuming a minimum signal of 3000 arbitrary units for unequivocal detection in LC-QQQ (Rychlik et al., 2018)

Instrument/type	Year of release	Signal intensity (arbitrary units)	Mol reserpine detected
LCMS 8030/LC- QQQ	2010	3000	$1.65 \cdot 10^{-15}$
LCMS 8040/LC- QQQ	2012	30,000	$1.65 \cdot 10^{-16}$
LCMS 8050/LC- QQQ	2013	250,000	$1.98 \cdot 10^{-17}$
LCMS 8060/LC- QQQ	2015	750,000	$6.6 \cdot 10^{-18}$
LCMS 9030/LC- QToF	2018		$5.467 \cdot 10^{-18}$

LC-QQQ, LC-triple quadrupole MS, LC-QToF, LC-hybrid quadrupole / time of flight