


【MSW²_{TM}】 The sampling precision by determining the concentration of a chemical compound spiked in plasma.

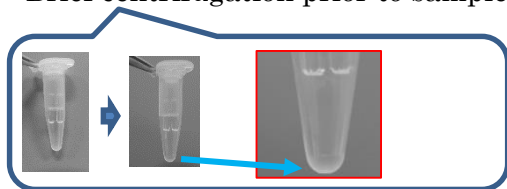
- The samples were prepared with a micropipette and MSW²_{TM} in 6 replications.
- The determination were achieved with an LC/MS/MS(LC/MS/MS8040, Shimadzu) after deproteination with MeOH/MeCN (1:1, v/v).

○Products: Microsampling Wing_{TM} Type Udec_{TM} 235, Microsampling Windmill_{TM}.

*Whole volume 23μL, Volume of plasma zone 5.6μL, Volume of LZ 2.5μL.

○Protocol with MSW²_{TM}

Process	
Sampling	Direct sampling into a Microsampling Wing _{TM} .
Centrifugation	With a Microsampling Windmill _{TM} . 2000xg 15min
Snapping off	Plasma zone(5.6μL) →with fingertips, LZ(2.5μL) → with a plier After snapping it off, put it into a microtube. *Brief centrifugation prior to sample process:1000xg, 5sec.
Sample process	Deproteinaiton with MeOH/MeCN (1:1, v/v). 
LC/MS/MS	-



○Result: The graph shows sampling reproducibility by each device in CV %.

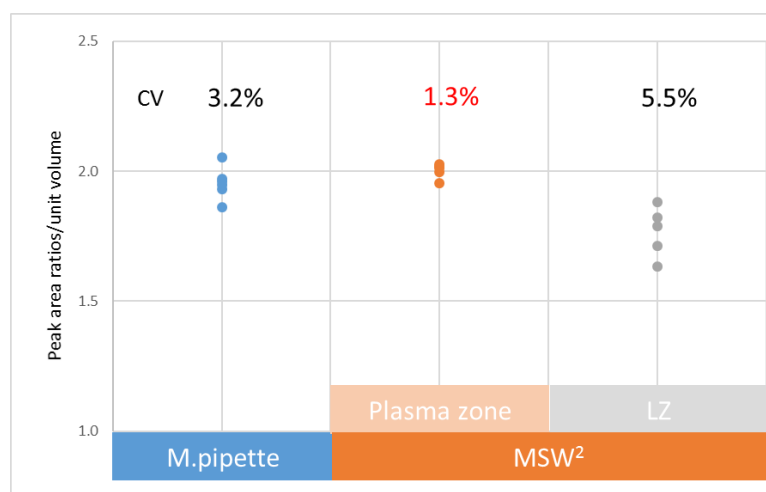


Fig 1 Sampling reproducibility

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