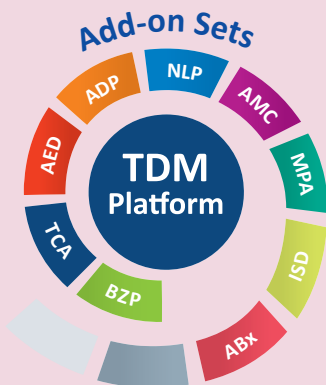


Benzodiazepines in Serum / Plasma

Benzodiazepines (BZP) are a group of psychoactive drugs with a broad range of therapeutic effects and belong to the most frequently prescribed drugs all over the world. The ClinMass® Add-on Set for Benzodiazepines (order no. MS9500) contains all analyte specific components required for the quantification of 36 different drugs and metabolites. The ClinMass® TDM Platform (order no. MS9000) contains the components needed for sample preparation and LC-MS/MS analysis. It can be used with all ClinMass® Add-on Sets of the TDM Kit System (BZP, TCA, ...). The analytical column is suitable for the whole analyte panel (155 compounds).

- One step sample preparation
- Flexible and fast LC-MS/MS Analysis (6.8 min) of 36 Benzodiazepines
- Z-drugs included



Test Data

Test data are available on request.

LC-MS/MS Parameters

LC-Parameters

Binary Gradient

Pump: Mobile Phases A/B
(0.6 ml/min)

Injection volume: 1 - 10 µl*

* depending on the sensitivity of the mass spectrometer

Injection interval: 6.8 min

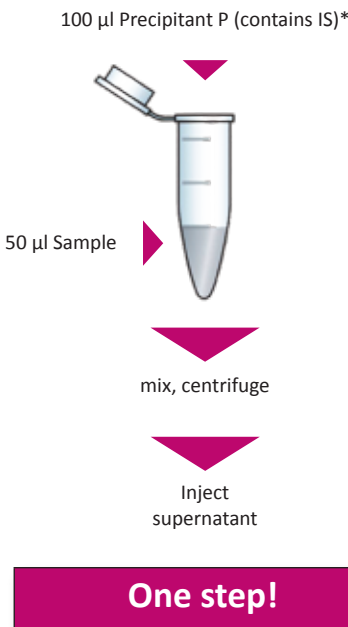
Column heater: 40 °C

MS-Parameters

Ion source: ESI, positive

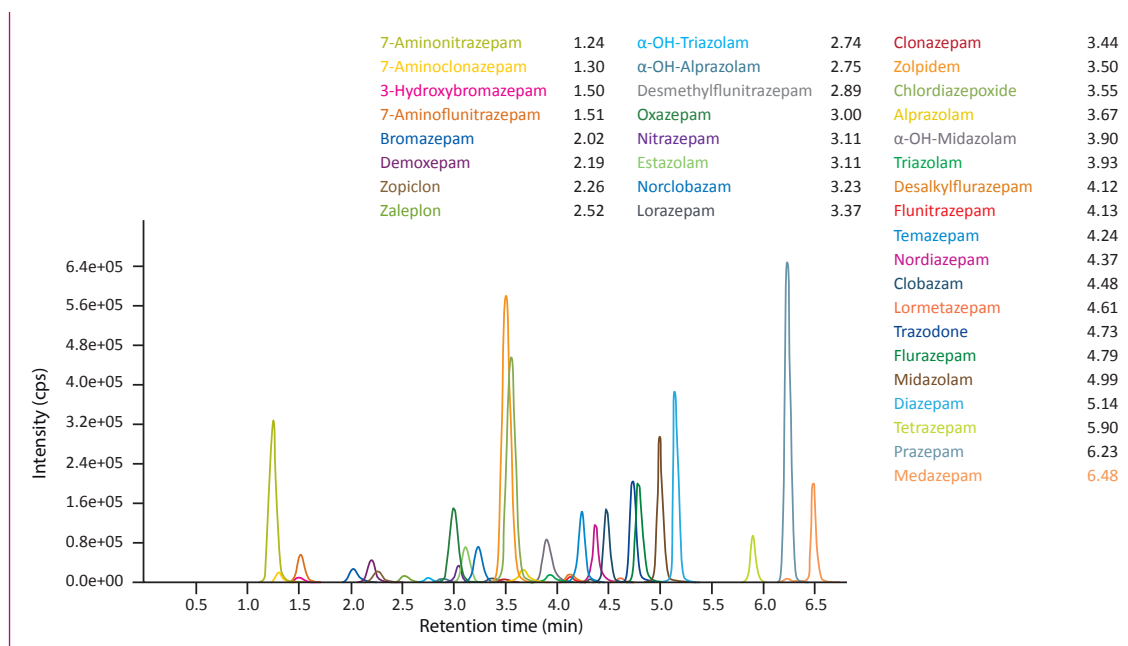
MS/MS-Mode: MRM

Sample Preparation



* Reconstitution of IS (order no. MS9512)
with 5 ml Precipitant P (order no. MS9021)

Chromatogram of the ClinCal® Serum Calibrator, Level 2 (order no. MS6013)



Ordering Information

Order No.	Description	Quantity
MS9000	ClinMass® TDM Platform for 400 assays	1 pce.
Kit Components (order no. MS9000):		
MS9005	Autosampler Washing Solution	1000 ml
MS9007	Mobile Phase A	2 x MS9007 (2 x 1000 ml)
MS9008	Mobile Phase B	1000 ml
MS9020	Sample Preparation Vials	4 x MS9020 (4 x 100 pcs.)
MS9021	Precipitant P	2 x MS9021 (2 x 25 ml)
Start Accessories:		
MS9030	Analytical Column with test chromatogram	1 pce.
MS9032	Prefilter	1 pce.
Accessories:		
MS9022	Diluting Solution D	50 ml
MS9500	ClinMass® Add-on Set for Benzodiazepines in Serum / Plasma for 200 assays	1 pce.
Kit Components (order no. MS9500):		
MS9512	Internal Standard IS, lyophil.	5 x 5 ml
MS6013	Serum Calibrator Set, lyophil. (Level 0 - 3)	4 x 1 x 1 ml
	Manual	1 pce.
Start Accessories:		
MS6015 -	Optimisation Mix 1 - 5, lyophil.	2 ml each
MS6019		
ClinChek® Controls:		
MS6082	Serum Control, lyophil., Level I, II	2 x 5 x 1 ml