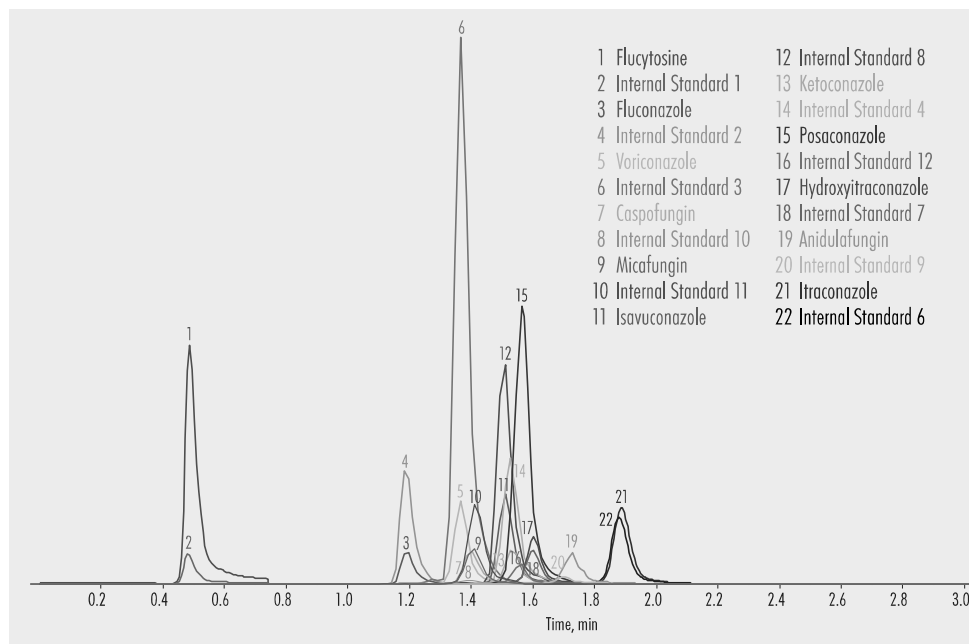


MassTox[®] Antimycotic Drugs/EXTENDED

LC-MS/MS Assay

**Modular system, consisting of:
Basic Kit A, Parameter Set and MasterColumn[®] A**

- > **Encompasses 11 analytes**
- > **3PLUS1[®] Multilevel Calibrator Set and MassCheck[®] Controls**
- > **Part of the continuously extended MassTox[®] TDM Series A**



Specifications*

Lower and upper limit of quantification:

Isavuconazole:	0.219 – 44.0 mg/l
Itraconazole:	0.009 – 4.00 mg/l
Hydroxyitraconazole:	0.043 – 5.26 mg/l
Posaconazole:	0.068 – 10.0 mg/l
Voriconazole:	0.065 – 16.0 mg/l

For the values of all analytes please refer to the instruction manual.

Sample Preparation*

Specimens: plasma/serum

- > Add 800 µl Internal Standard Mix to 12 ml Precipitation Reagent (= mixture A).
- > Pipette 50 µl sample/calibrator/**MassCheck[®]** control into a 1.5 ml reaction vial.
- > Add 25 µl Extraction Buffer, mix briefly (vortex) and incubate 2 min.
- > Add 250 µl of mixture A, mix 30 s (vortex) and centrifuge 5 min.
- > Dilute supernatant with Dilution Buffer (depending on instrument sensitivity) and inject 0.5 – 50 µl into LC-MS/MS system.

HPLC Parameters*

Run time:	3.2 min
Injection volume:	0.5 – 50 µl
Flow rate:	0.6 ml/min
Column temperature:	+20 to +25 °C
Gradient:	binary

MS Parameters*

Ionisation:	ESI positive and negative, polarity switch possible
MS/MS mode:	MRM

This parameter set allows the quantitative determination of anidulafungin, caspofungin, fluconazole, 5-flucytosine, isavuconazole, itraconazole, hydroxyitraconazole, ketoconazole, micafungin, posaconazole and voriconazole in human serum or plasma samples via liquid chromatography mass spectrometry (LC-MS/MS). It is intended as a therapeutic drug monitoring test, medically indicated for patients treated with one or more of the antimycotic drugs listed above.

MassTox® TDM Series A

The **MassTox®** TDM Series A is a modular system that enables the determination of all analytes without changing column or mobile phases, thereby minimising the workload in the laboratory. It consists of 3 parts:

MassTox® TDM Basic Kit A + Specific **MassTox®** TDM Parameter Set + Analytical column **MassTox®** TDM MasterColumn® A

MassSTAR

For this parameter set a CE-IVD compliant workflow method is also available using the MassSTAR to automate the sample preparation.

Ordering Information

These products are not available in all countries

Order no. Product

The **MassTox®** TDM Parameter Set Antimycotic Drugs/*EXTENDED* encompasses the following parameters:

anidulafungin, caspofungin, fluconazole, 5-flucytosine, isavuconazole, itraconazole, hydroxyitraconazole, ketoconazole, micafungin, posaconazole, voriconazole.

For the analysis you require the **MassTox®** TDM Basic Kit A, the specific **MassTox®** TDM Parameter Set and the analytical column **MassTox®** TDM MasterColumn® A.

MassTox® TDM Basic Kit A

92111/200 Basic Kit A for 200 tests

92111/1000 Basic Kit A for 1000 tests

Basic Kit A components (quantities in kit for 200 tests)

92001 Mobile Phase 1, 1000 ml (1x)

92002 Mobile Phase 2, 1000 ml (1x)

92003 Precipitation Reagent, 50 ml (1x)

92005 Extraction Buffer, 5 ml (1x)

92007 Dilution Buffer 1, 50 ml (1x)

92008 Dilution Buffer 2, 50 ml (1x)

92009 Rinsing Solution, 1000 ml (1x)

33006 Reaction Vials, transparent, 1.5 ml, 100 pcs. (2x)

92922/XT MassTox® TDM Parameter Set Antimycotic Drugs/*EXTENDED* components

92051/XT 3PLUS1® Multilevel Plasma Calibrator Set Antimycotic Drugs/*EXTENDED* (lyoph.), 4 x 1 ml

0253/XT **MassCheck®** Antimycotic Drugs/*EXTENDED* Plasma Control, Level I (lyoph.), 5 x 1 ml

0254/XT **MassCheck®** Antimycotic Drugs/*EXTENDED* Plasma Control, Level II (lyoph.), 5 x 1 ml

92644/XT Internal Standard Mix Antimycotic Drugs/*EXTENDED*, 1 x 3.8 ml (for 200 tests)

Required components (not included in kit or parameter set)

92110 **MassTox®** TDM MasterColumn® A, equilibrated, with test chromatogram, 1 pc.

92039/XT Tuning Mix Antimycotic Drugs/*EXTENDED*, Analytes and Internal Standards, 1 ml

Lab equipment

15010 PEEK Prefilter Housing, 1 pc.

15011 PEEK-encased Prefilter, 2 µm, 5 pcs.

15070 Stainless Steel Prefilter Housing, 1 pc.

15071 Stainless Steel Prefilter, 0.5 µm, 5 pcs.

33006 Reaction Vials, transparent, 1.5 ml, 100 pcs.