

## Advantages

- \* Ready to use and CE/IVD kit
- \* Simple, non-critical and rapid preparative phase
- \* Maximum specificity
- \* Recovery of analytes ranges from 90% to 100%



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**VOLATILE ORGANIC  
COMPOUNDS (VOC) IN  
WHOLE BLOOD BY  
GC/MS-headspace**

**REF** GC77110

**UNIQUE**

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## Scenario

Exposure to volatile organic compounds (VOCs) can irritate the eyes, nose, throat and damage kidney, liver and central nervous system.

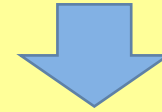
Biomonitoring of VOCs in blood provides useful information on exposure to environmental chemicals and substances used in the working place.

## Intended use

*In vitro* diagnostic medical device intended for the detection and quantitative analysis of acetone, benzene, dichloromethane, ethanol, methanol, perchloroethylene, toluene in whole blood as aid in the diagnosis of occupational diseases. Manual method for professional use.

## Pre-analytical procedure

Inject 1 ml of **Reagent B1**, **Reagent B2**, **Reagent B3**, **Reagent B4** into GC/MS-headspace according to the instrumental specifications to identify the retention time of the different analytes.



## Analytical procedure

Dispense in a headspace vial:

- 1 ml of whole blood
- 9 ml of **Reagent A**
- 50 µl of **Reagent C**



Inject 1 ml of vapor phase into GC/MS or into instruments with equivalent parameters