



AN ITALIAN COMPANY THAT RESEARCHES, DEVELOPS AND PRODUCES READY TO USE KITS  
USING CHROMATOGRAPHIC TECHNIQUES FOR CLINICAL LABORATORIES

## CALIBRATOR LYOPHIL. IN WHOLE BLOOD FOR ETHYL ALCOHOL

**Code GC73016**  
**TO USE WITH THE KIT CODE GC73010**

### OBJECTIVE

The calibrators on blood are used to calibrate the HPLC system for the quantitative measurement of analytes contained therein. Each analyte has a concentration that allows the construction of a calibration curve of five points. The calibrators are freeze-dried human matrix and should be handled as if they were a real patient sample.

### RECOVERY OF LIOPHYLISED BLOOD

Remove the metal seal and rubber stopper from the vial. Add exactly 1 ml of HPLC-grade water through the tube. Replace the rubber stopper, allow to stand for at least 30 to 40 minutes. Before use, mix by inverting the vial to dissolve the material until a homogeneous solution.



### STORAGE AND STABILITY



The calibrators are stable for 36 months from the date of preparation if stored at 2–8 °C. After reconstitution are stable for 30 days at 2-8 °C and 6 months at -20 °C. Do not use after the expiry date.

Aqueous solutions of Ethyl Alcohol are stable 12 months from preparation date if stored at 2–8 °C. Do not use after the expiry date.

### PRECAUTIONS

These calibrators in human matrix should be treated with care and treated as potentially infectious.

LOT		

LOT		

**PREPARATION OF CALIBRATOR D1 (TO BE MADE AT THE TIME BEFORE EACH SESSION ANALYTICAL)**

Dispense directly in vials da 10 ml for headspace:

- 1) 50 µl of liophilised and reconstituted blood
- 2) 50 µl of **Reagent D1** – Ethanol 0,5 g/l (remove the cap and insert a 50 ul Hamilton syringe type. Remove solution, remove the syringe and insert the solution taken in the vial). Proceed with the analytical phase.

**OBTAINED CONCENTRATION**

<i>ANALYTE</i>	<i>MEASUREMENT UNIT</i>	<i>VALUE</i>
ETHANOL	g/l	

**PREPARATION OF CALIBRATOR D2 (TO BE MADE AT THE TIME BEFORE EACH SESSION ANALYTICAL)**

Dispense directly in vials da 10 ml for headspace:

- 1) 50 µl of liophilised and reconstituted blood
- 2) 50 µl of **Reagent D2** – Ethanol 1,0 g/l (remove the cap and insert a 50 ul Hamilton syringe type. Remove solution, remove the syringe and insert the solution taken in the vial). Proceed with the analytical phase.

**OBTAINED CONCENTRATION**

<i>ANALYTE</i>	<i>MEASUREMENT UNIT</i>	<i>VALUE</i>
ETHANOL	g/l	

**PREPARATION OF CALIBRATOR D3 (TO BE MADE AT THE TIME BEFORE EACH SESSION ANALYTICAL)**

Dispense directly in vials da 10 ml for headspace:

- 1) 50 µl of liophilised and reconstituted blood
- 2) 50 µl of **Reagent D3 – Ethanol 2,0 g/l** (remove the cap and insert a 50 ul Hamilton syringe type. Remove solution, remove the syringe and insert the solution taken in the vial). Proceed with the analytical phase.

**OBTAINED CONCENTRATION**

<i>ANALYTE</i>	<i>MEASUREMENT UNIT</i>	<i>VALUE</i>
ETHANOL	g/l	

**PREPARATION OF CALIBRATOR D4 (TO BE MADE AT THE TIME BEFORE EACH SESSION ANALYTICAL)**

Dispense directly in vials da 10 ml for headspace:

- 1) 50 µl of liophilised and reconstituted blood
- 2) 50 µl of **Reagent D4 – Ethanol 3,0 g/l** (remove the cap and insert a 50 ul Hamilton syringe type. Remove solution, remove the syringe and insert the solution taken in the vial). Proceed with the analytical phase.

**OBTAINED CONCENTRATION**

<i>ANALYTE</i>	<i>MEASUREMENT UNIT</i>	<i>VALUE</i>
ETHANOL	g/l	

**PREPARATION OF CALIBRATOR D5 (TO BE MADE AT THE TIME BEFORE EACH SESSION ANALYTICAL)**

Dispense directly in vials da 10 ml for headspace:

- 1) 50 µl of liophilised and reconstituted blood
- 2) 50 µl of **Reagent D3 – Ethanol 4,0 g/l** (remove the cap and insert a 50 ul Hamilton syringe type. Remove solution, remove the syringe and insert the solution taken in the vial). Proceed with the analytical phase.

**OBTAINED CONCENTRATION**

<i>ANALYTE</i>	<i>MEASUREMENT UNIT</i>	<i>VALUE</i>
ETHANOL	g/l	

**PACKAGING AVAILABLE:**

- GC73016 CALIBRATOR IN WHOLE BLOOD FOR ETHYL ALCOHOL

6 x 1 ml/ 1 x 5 x 2 ml

This product fulfills all the requirements of Directive 98/79/EC of 27/10/1998 on in vitro diagnostic medical devices (IVD). The declaration of conformity is available upon request.



**FOR *IN VITRO* DIAGNOSTIC USE ONLY**



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