



The World's Largest Range of Diagnostic Kits for Analytical Chromatographic Systems ( HPLC, GC , GC-MS, LC-MS/MS )



**CONTROL LYOPHIL. IN SERUM FOR BENZODIAZEPINES – LEVELS 1, 2 and 3**  
(*Bromazepam, Lorazepam, Clonazepam, Flunitrazepam, Chlordemethyldiazepam, Nordiazepam, Clobazam, Diazepam, Midazolam, Nitrazepam, Oxazepam, Flurazepam, Triazolam, Zopiclone, Chlordiazepoxide, Norclobazam, Demoxepam, Trazodone*)

**Code LC80019**

**PURPOSE**

These plasma controls are used for internal quality assurance in clinical-chemical laboratories and are made to keep under control the care and precision of the analytical procedure in charge to the quantitative determination of in the analytes in them included. These lyophilised controls are based on human plasma and are available with mean values in the normal as well as in the pathological range. The controls have to be prepared like patient samples in one series of analyses.

**RECONSTITUTION**

Remove the metal seal and rubber stopper from the vial. Add exactly 1 ml of HPLC grade H<sub>2</sub>O in the vial. Replace the rubber stopper, shake and let stand for 5 to 10 minutes. Before use, mix by inverting the vial to dissolve the material until a homogeneous clear 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 7 days at 2-8 ° C and 1 month at -20 ° C. Do not use after the expiry date.

**PRECAUTIONS**




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

009	March 2019	March 2022

**PACKAGING AVAILABLE:**

- LC80017 CONTROL IN SERUM FOR BENZODIAZEPINES - LEVEL 1 *5 x 1 ml*
- LC80018 CONTROL IN SERUM FOR BENZODIAZEPINES - LEVEL 2 *5 x 1 ml*
- LC80013 CONTROL IN SERUM FOR BENZODIAZEPINES - LEVEL 3 *5 x 1 ml*
- LC80019 CONTROL IN SERUM FOR BENZODIAZEPINES - LEVELS 1, 2 and 3 *3 x 5 x 1 ml*

CONCENTRATIONS  
CODE LC80019

		
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<i>ANALYTE</i>	<i>MEASUREMENT UNIT</i>	<i>MEDIUM VALUE L1</i>	<i>RANGE L1</i>	<i>MEDIUM VALUE L2</i>	<i>RANGE L2</i>	<i>MEDIUM VALUE L3</i>	<i>RANGE L3</i>
BROMAZEPAM	µg/l	12,5	8,8 – 16,3	126,8	88,7 – 164,8	206,0	144,2 – 267,8
LORAZEPAM	µg/l	4,8	3,4 – 6,3	46,0	32,2 – 59,9	69,7	48,8 – 90,6
CLONAZEPAM	µg/l	5,3	3,7 – 6,9	43,7	30,6 – 56,8	72,9	51,0 – 94,8
FLUNITRAZEPAM	µg/l	1,3	0,9 – 1,7	12,8	8,9 – 16,6	20,2	14,2 – 26,3
CHLORDEMETHYLDIAZEPAM	µg/l	7,7	5,4 – 9,9	81,3	56,9 – 105,7	138,7	97,1 – 180,4
NORDIAZEPAM	µg/l	41,6	29,1 – 54,1	402,6	281,8 – 523,4	656,3	459,4 – 853,2
CLOBAZAM	µg/l	19,9	13,9 – 25,9	205,2	143,6 – 266,7	340,5	238,3 – 442,6
DIAZEPAM	µg/l	142,4	99,7 – 185,1	1.448,4	1.013,9 – 1.883,0	2.240,1	1.568,1 – 2.912,1
MIDAZOLAM	µg/l	13,7	9,6 – 17,8	130,4	91,3 – 169,5	220,1	154,1 – 286,1
NITRAZEPAM	µg/l	7,6	5,3 – 9,9	78,0	54,6 – 101,4	126,9	88,8 – 164,9
OXAZEPAM	µg/l	113,5	79,4 – 147,5	1.027,5	719,3 – 1.335,8	1.629,5	1.140,6 – 2.118,3
FLURAZEPAM	µg/l	8,8	6,1 – 11,4	83,4	58,4 – 108,4	136,5	95,5 – 177,4
TRIAZOLAM	µg/l	2,3	1,6 – 3,0	22,0	15,4 – 28,6	36,7	25,7 – 47,7
CHLORDIAZEPOXIDE	µg/l	141,5	99,1 – 184,0	1.447,1	1.013,0 – 1.881,3	2.292,3	1.604,6 – 2.980,0
ZOPICLONE	µg/l	4,8	3,3 – 6,2	44,0	30,8 – 57,2	74,5	52,2 – 96,9
NORCLOBAZAM	µg/l	160,8	112,6 – 209,0	1.388,8	972,2 – 1.805,5	2.400,9	1.680,7 – 3.121,2
DEMOXEPAM	µg/l	43,9	30,8 – 57,1	435,0	304,5 – 565,5	718,0	502,6 – 933,4
TRAZODONE	µg/l	98,2	68,7 – 127,6	1.071,7	750,2 – 1.393,2	1.715,2	1.200,6 – 2.229,8

This product fulfills all the requirements of Directive 98/79/EC of 27/10/1998 and DI.ivo n.332 of 08/09/2000 on in vitro diagnostic medical devices (IVD). The declaration of conformity is available upon request.



**FOR IN VITRO DIAGNOSTIC USE ONLY**

produced by



The ONLY Italian Company that Researches, Develops and Produces  
diagnostic KITS for HPLC, GC, GC-MS, LC-MS/MS

COMPANY WITH  
MANAGEMENT SYSTEM  
CERTIFIED BY DNV  
= ISO 9001 =  
= ISO 13485 =

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