



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

LYOPHILIZED CALIBRATOR FOR ANTIEPILEPTICS IN PLASMA

(Levetiracetam, Lamotrigine, Primidone, Oxacarbamazepine, Carbamazepine Epoxide, 10,11-Dihydro-10-Hydroxy-Carbamazepine, Carbamazepine, Phelbamate, Desmethyloximide, Rufinamide, Phenytoin, Methsuximide, Topiramate, Phenobarbital, Valproic Acid, Ethosuximide, Lacosamide, Perampanel, Zonisamide, Sulthiame, Pregabalin, Brivaracetam, Gabapentin, Stiripentol, Vigabatrin, Tiagabine)

Code LC04916

TO USE WITH THE KIT CODE LC05010-15, LC05110-15

OBJECTIVE

The calibrators in plasma 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 human freeze-dried matrix and should be handled as if they were a real patient sample.

RECONSTITUTION

Remove the metal seal and rubber stopper from the vial. Add exactly 1 ml of HPLC grade H₂O 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 -25/-15 ° 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		

PACKAGING AVAILABLE:

- LC04916 CALIBRATOR FOR ANTIEPILEPTICS IN PLASMA

7 x 2 x 1 ml

N° 003	06/2024
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CONCENTRATIONS
CODE LC04916

LOT		

ANALYTE	MEASUREMENT UNIT	C0	C1	C2	C3	C4	C5	C6
LEVETIRACETAM	µg/ml	N.D.	1,4	8,0	17,7	26,6	35,8	50,7
LAMOTRIGINE	µg/ml	N.D.	0,3	1,7	3,8	5,9	9,1	14,9
PRIMIDONE	µg/ml	N.D.	0,9	4,3	9,0	15,6	20,3	33,3
OXACARBAMAZEPINE	µg/ml	N.D.	0,2	1,1	2,3	3,5	5,5	8,3
CARBAMAZEPINE EPOXIDE	µg/ml	N.D.	0,03	0,3	0,7	1,2	1,7	2,8
10,11-DIHYDRO-10- HYDROXYCARBAMAZEPINE	µg/ml	N.D.	1,2	5,4	12,8	19,2	26,2	47,3
CARBAMAZEPINE	µg/ml	N.D.	0,5	2,6	6,0	8,2	12,1	18,7
PHELBAMATE	µg/ml	N.D.	1,4	6,6	15,8	24,7	33,6	60,8
RUFINAMIDE	mg/l	N.D.	0,4	7,1	14,6	20,7	30,9	42,9
DESMETHYLSUXIMIDE	mg/l	N.D.	1,7	5,6	17,6	18,8	33,2	44,0
PHENYTOIN	mg/l	N.D.	1,0	4,2	8,6	13,4	18,6	31,0
METHSUXIMIDE	mg/l	N.D.	1,1	5,7	15,7	22,1	29,4	51,9
TOPIRAMATE	mg/l	N.D.	0,6	3,1	7,3	11,1	16,6	27,7
PHENOBARBITAL	µg/ml	N.D.	1,4	6,6	14,5	23,5	30,3	62,6
VALPROIC ACID	mg/l	N.D.	3,1	15,5	33,1	54,6	70,6	132,7

LOT		

CONCENTRATIONS
CODE LC04916

ANALYTE	MEASUREMENT UNIT	C0	C1	C2	C3	C4	C5	C6
ETHOSUXIMIDE	µg/ml	N.D.	3,1	15,1	34,0	54,3	73,8	123,9
LACOSAMIDE	mg/l	N.D.	0,5	2,5	5,9	7,9	13,1	20,7
PERAMPANEL	µg/ml	N.D.	0,06	0,2	0,5	0,7	1,1	1,9
ZONISAMIDE	µg/ml	N.D.	0,9	3,9	10,3	15,3	25,5	36,1
SULTHIAME	mg/l	N.D.	0,6	2,1	5,7	9,6	11,7	20,4
PREGABALIN	mg/l	N.D.	0,3	1,9	4,0	5,8	8,1	13,0
BRIVARACETAM	mg/l	N.D.	0,4	1,4	3,3	5,3	7,7	12,8
GABAPENTIN	mg/l	N.D.	0,7	4,1	10,0	14,5	19,1	30,3
STIRIPENTOL	mg/l	N.D.	0,4	2,9	7,9	10,7	14,7	25,3
VIGABATRIN	mg/l	N.D.	1,0	5,7	14,5	20,7	28,0	45,1
TIAGABINE	mg/l	N.D.	0,007	0,05	0,12	0,17	0,23	0,42

N.D.: not-detected data

This product fulfils 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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