

***THE WIDEST VARIETY OF CYCLODEXTRINS  
IN THE WORLD***

**Products and Price List of  
Cyclodextrins for Capillary Electrophoresis**

Valid from 01. January 2011.

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**1. Kits for Capillary Electrophoresis**

**Elphodextrin Starter Kit**

Not sure which chiral selector apply to your racemic mixture? **Elphodextrin Starter Kit** contains everything you need for rapid method development in chiral CE separations. Seven cyclodextrins with different cavity size and cavity environment help you to follow the right track in your way toward complete separation. After maximum 13 runs you achieve separation - many of them may require no further optimisation.

(N. Roos; K. Ganzler; J. Szemán; S. Fanali: J Chromatography A. 782 (1997) 257-269)

Method development protocol and a flowchart are included, making the kit a complete tool for finding the suitable group or type of cyclodextrin for the development and optimisation of separation you need for your particular analyte.

Code	Product	Price [EUR]
<i>CY-E-7001</i>	<b><i>Elphodextrin Starter Kit</i></b> 0.5 g $\alpha$ -Cyclodextrin 0.5 g $\beta$ -Cyclodextrin 0.5 g $\gamma$ -Cyclodextrin 0.5 g Dimethyl- $\beta$ -Cyclodextrin 0.5 g (2-Hydroxypropyl)- $\beta$ -Cyclodextrin 0.5 g Carboxymethyl- $\beta$ -Cyclodextrin 0.5 g Monoamino- $\beta$ -Cyclodextrin	<b>306</b>

### Elphodex Kits

The other Elphodex Kits contain wide variety of cyclodextrin derivatives for further optimisation of chiral separations. Choose Kit A, B or G with different cavity size or Acid Kit, when the use of ionic cyclodextrin is advantageous.

Code	Product	Price [EUR]
<i>CY-E-7001.1</i>	<b><i>Elphodex A</i></b> 2.5 g $\alpha$ -CD 0.5 g Methyl- $\alpha$ -CD 0.5 g Permethyl- $\alpha$ -CD 0.5 g (2-Hydroxypropyl)- $\alpha$ -CD 0.5 g Carboxymethyl- $\alpha$ -CD 0.5 g $\alpha$ -CD Phosphate (DS ~ 4)	<b>442</b>
<i>CY-E-7001.2</i>	<b><i>Elphodex B</i></b> 2.5 g $\beta$ -CD 0.5 g Methyl- $\beta$ -CD 0.5 g Permethyl- $\beta$ -CD 0.5 g (2-Hydroxypropyl)- $\beta$ -CD 0.5 g Carboxymethyl- $\beta$ -CD 0.5 g $\beta$ -CD Phosphate (DS ~ 4)	<b>306</b>
<i>CY-E-7001.3</i>	<b><i>Elphodex G</i></b> 2.5 g $\gamma$ -CD 0.5 g Methyl- $\gamma$ -CD 0.5 g Permethyl- $\gamma$ -CD 0.5 g (2-Hydroxypropyl)- $\gamma$ -CD 0.5 g Carboxymethyl- $\gamma$ -CD 0.5 g $\gamma$ -CD Phosphate (DS ~ 4)	<b>579</b>
<i>CY-E-7001.4</i>	<b><i>Elphodex Acid Kit</i></b> 0.5 g Carboxymethyl- $\alpha$ -CD 0.5 g Carboxymethyl- $\beta$ -CD 0.5 g Carboxymethyl- $\gamma$ -CD 0.5 g Carboxyethyl- $\alpha$ -CD 0.5 g Carboxyethyl- $\beta$ -CD 0.5 g Carboxyethyl- $\gamma$ -CD	<b>197</b>

## 2. Water-soluble Cyclodextrins

### A.) Neutral Cyclodextrins

Code	Name		Price [EUR/g]
CY-E-1001	$\alpha$ -Cyclodextrin	ACD	14
CY-E-2001	$\beta$ -Cyclodextrin	BCD	14
CY-E-3001	$\gamma$ -Cyclodextrin	GCD	34
CY-E-1002.1	Acetyl- $\alpha$ -Cyclodextrin (DS ~7)	AcACD	68
CY-E-2002.1	Acetyl- $\beta$ -Cyclodextrin (DS ~7)	AcBCD	48
CY-E-3002.1	Acetyl- $\gamma$ -Cyclodextrin (DS ~8)	AcGCD	81
CY-E-1002.2	Acetyl- $\alpha$ -Cyclodextrin (DS ~14-16)	AcACD-HDS	81
CY-E-2002.2	Acetyl- $\beta$ -Cyclodextrin (DS ~15)	AcBCD-HDS	62
CY-E-3002.2	Acetyl- $\gamma$ -Cyclodextrin (DS ~17)	AcGCD-HDS	81
CY-E-1003	Hexakis(2,3,6-tri-O-Methyl)- $\alpha$ -Cyclodextrin	TRIMEA	374
CY-E-2003	Heptakis(2,3,6-tri-O-Methyl)- $\beta$ -Cyclodextrin	TRIMEB	136
CY-E-3003	Octakis(2,3,6-tri-O-Methyl)- $\gamma$ -Cyclodextrin	TRIMEG	442
CY-E-2004.0	Heptakis(2,6-di-O-Methyl)- $\beta$ -Cyclodextrin	DIMEB	91
CY-E-2004.2	Heptakis(2,6-di-O-Methyl)- $\beta$ -Cyclodextrin, isomeric purity >80 %	DIMEB/P	150
CY-E-1004.1	Randomly Methylated $\alpha$ -Cyclodextrin (DS ~11)	RAMEA	116
CY-E-2004.1	Randomly Methylated $\beta$ -Cyclodextrin (DS ~13)	RAMEB	29
CY-E-3004.1	Randomly Methylated $\gamma$ -Cyclodextrin (DS ~12)	RAMEG	132
CY-E-1005.1	(2-Hydroxypropyl)- $\alpha$ -Cyclodextrin (DS ~3)	HPACD	50
CY-E-2005.1	(2-Hydroxypropyl)- $\beta$ -Cyclodextrin (DS ~3)	HPBCD	33
CY-E-3005.1	(2-Hydroxypropyl)- $\gamma$ -Cyclodextrin (DS ~3)	HPGCD	50
CY-E-1005.2	(2-Hydroxypropyl)- $\alpha$ -Cyclodextrin (DS ~4.8)	HPACD	50
CY-E-2005.2	(2-Hydroxypropyl)- $\beta$ -Cyclodextrin (DS ~4.6)	HPBCD	33
CY-E-3005.2	(2-Hydroxypropyl)- $\gamma$ -Cyclodextrin (DS ~4.8)	HPGCD	50
CY-E-2005.3	(2-Hydroxypropyl)- $\beta$ -Cyclodextrin (DS ~6.3)	HPBCD	61
CY-E-1028.1	(2-Hydroxyethyl)- $\alpha$ -Cyclodextrin (DS ~4)	HEACD	170
CY-E-2028.1	(2-Hydroxyethyl)- $\beta$ -Cyclodextrin (DS ~4)	HEBCD	100
CY-E-3028.1	(2-Hydroxyethyl)- $\gamma$ -Cyclodextrin (DS ~4)	HEGCD	170
CY-E-2042.0	6-O-Monomaltosyl- $\beta$ -Cyclodextrin, isomeric purity >98 %	G2BCD/P	408
CY-E-2042.1	6-O-Maltosyl- $\beta$ -Cyclodextrin (DS ~1.5)	G2BCD	165

## 2. Water-soluble Cyclodextrins

### B.) Ionic Cyclodextrins

Code	Name		Price [EUR/g]
CY-E-1006.0	Carboxymethyl- $\alpha$ -Cyclodextrin (DS ~3)	CMACD	38
CY-E-2006.0	Carboxymethyl- $\beta$ -Cyclodextrin (DS ~3)	CMBCD	30
CY-E-3006.0	Carboxymethyl- $\gamma$ -Cyclodextrin (DS ~3)	CMGCD	48
CY-E-1007.0	Succinyl- $\alpha$ -Cyclodextrin (DS ~3.5)	SuACD	136
CY-E-2007.0	Succinyl- $\beta$ -Cyclodextrin (DS ~3.5)	SuBCD	81
CY-E-3007.0	Succinyl- $\gamma$ -Cyclodextrin (DS ~3.5)	SuGCD	160
CY-E-1012.0	Carboxyethyl- $\alpha$ -Cyclodextrin (DS ~3)	CEACD	68
CY-E-2012.0	Carboxyethyl- $\beta$ -Cyclodextrin (DS ~3)	CEBCD	55
CY-E-3012.0	Carboxyethyl- $\gamma$ -Cyclodextrin (DS ~3)	CEGCD	126
CY-E-1017.1	$\alpha$ -Cyclodextrin Phosphate Sodium Salt (DS ~2-6)	PACD-LDS	220
CY-E-2017.1	$\beta$ -Cyclodextrin Phosphate Sodium Salt (DS ~2-6)	PBCD-LDS	205
CY-E-3017.1	$\gamma$ -Cyclodextrin Phosphate Sodium Salt (DS ~2-6)	PGCD-LDS	224
CY-E-2024	6-Monodeoxy-6-Monoamino- $\beta$ -Cyclodextrin Hydrochloride	MoAMBCD	470
CY-E-1033	Succinyl-(2-Hydroxypropyl)- $\alpha$ -Cyclodextrin	SuHPACD	280
CY-E-2033	Succinyl-(2-Hydroxypropyl)- $\beta$ -Cyclodextrin	SuHPBCD	240
CY-E-3033	Succinyl-(2-Hydroxypropyl)- $\gamma$ -Cyclodextrin	SuHPGCD	280
CY-E-1040.0	Sulfopropyl- $\alpha$ -Cyclodextrin (DS ~2)	SPACD	240
CY-E-2040.0	Sulfopropyl- $\beta$ -Cyclodextrin (DS ~2)	SPBCD	388
CY-E-3040.0	Sulfopropyl- $\gamma$ -Cyclodextrin (DS ~2)	SPGCD	388
CY-E-1045	$\alpha$ -Cyclodextrin Sulfate Sodium Salt	SACD	205
CY-E-2045	$\beta$ -Cyclodextrin Sulfate Sodium Salt	SBCD	110
CY-E-3045	$\gamma$ -Cyclodextrin Sulfate Sodium Salt	SGCD	205
CY-E-2055	6-Monodeoxy-6-Monoamino-2,3-O-Methyl-hexakis(2,3,6-tri-O-Methyl)- $\beta$ -Cyclodextrin HCl	PMMABCD	<i>preparation upon request</i>
CY-E-2105.1	Randomly Hydroxypropylated 6-Monoamino-6-Monodeoxy- $\beta$ -Cyclodextrin Hydrochloride	HPMABCD	<i>preparation upon request</i>
CY-E-2106.1	Randomly Carboxymethylated 6-Monoamino-6-Monodeoxy- $\beta$ -Cyclodextrin Sodium Salt	CMMABCD	<i>preparation upon request</i>

## 2. Water - soluble Cyclodextrins

### C.) Neutral and Ionic Polymers

Code	Name		Price [EUR/g]
CY-E-1009	Soluble $\alpha$ -Cyclodextrin Polymer	CDPSA	39
CY-E-2009	Soluble $\beta$ -Cyclodextrin Polymer	CDPSB	25
CY-E-3009	Soluble $\gamma$ -Cyclodextrin Polymer	CDPSG	55
CY-E-1010	Soluble Anionic $\alpha$ -Cyclodextrin Polymer, carboxymethylated	CDPSIA	41
CY-E-2010	Soluble Anionic $\beta$ -Cyclodextrin Polymer, carboxymethylated	CDPSIB	35
CY-E-3010	Soluble Anionic $\gamma$ -Cyclodextrin Polymer, carboxymethylated	CDPSIG	55
CY-E-1046	Sulfated- $\alpha$ -Cyclodextrin Soluble Polymer	SCDPSA	<i>preparation upon request</i>
CY-E-2046	Sulfated $\beta$ -Cyclodextrin Soluble Polymer	SCDPSB	<i>preparation upon request</i>
CY-E-3046	Sulfated- $\gamma$ -Cyclodextrin Soluble Polymer	SCDPSG	<i>preparation upon request</i>

### 3. Water - insoluble cyclodextrins

Water insoluble cyclodextrins can be used for electrophoresis in non - aqueous medium, some of them are listed below. Numerous other types of water insoluble cyclodextrin derivatives are listed in our Fine Chemical Grade price list.

Cyclodextrin applicable **for coating procedure** see also in our Fine Chemical Grade price list.

Code	Name		Price [EUR/g]
CY-E-1002.0	Hexakis(2,3,6-tri-O-Acetyl)- $\alpha$ -Cyclodextrin	TRIAcACD	81
CY-E-2002.0	Heptakis(2,3,6-tri-O-Acetyl)- $\beta$ -Cyclodextrin	TRIAcBCD	47
CY-E-3002.0	Octakis(2,3,6-tri-O-Acetyl)- $\gamma$ -Cyclodextrin	TRIAcGCD	96
CY-E-2013	Heptakis(3-O-Acetyl-2,6-di-O-Methyl)- $\beta$ -Cyclodextrin	AcDIMEB	300
CY-E-2018.0	Heptakis(2,3,6-tri-O-Benzoyl)- $\beta$ -Cyclodextrin	TRIBenzBCD	122
CY-E-1022.1	Ethyl- $\alpha$ -Cyclodextrin (DS ~12)	EtACD	260
CY-E-2022.1	Ethyl- $\beta$ -Cyclodextrin (DS ~14)	EtBCD	220
CY-E-3022.1	Ethyl- $\gamma$ -Cyclodextrin (DS ~16)	EtGCD	260
CY-E-2022.2	Heptakis(2,6-di-O-Ethyl)- $\beta$ -Cyclodextrin	DIETBCD	450
CY-E-2023	Heptakis(2,3,6-tri-O-Ethyl)- $\beta$ -Cyclodextrin	TRIEtBCD	580