

The following **LabStandard®** Kit contains all 330 pesticides mentioned in realize and publish the Application Note "Real Data & Fast Tracking Measurement: Sensitivity & Reproducibility Data for more than 230 Compounds" for determination of pesticides residues using GCMSMS Agilent 7890B Series.

Code	Concentration	Solvent	Packaging
KIT4CI3L367	100,00 mg/l	Acetonitrile/ Cyclohexane / Methanol / Toluene	34 x 1,1 ml amber silanized ampoules in Acetonitrile 2 x 1,1 ml amber silanized ampoules in Cyclohexane 1 x 1,1 ml amber silanized ampoules in Methanol 6 x 1,1 ml amber silanized ampoules in Toluene



Real Data & Fast Tracking Measurement: Sensitivity & Reproducibility Data for more than 230 Compounds

Agilent Pesticides and Environmental Pollutants Analysis 4.0

GCMSMS Parameters

Gas Chromatograph	Agilent 7890B Series
Injection	Multi mode (ul. inj.)
Injection Mode	Double tap; 0.1 min, no wash (P/N 5190-2272)
Injection Volume	0.1 µl
Injection Temperature	75°C (0.1 min), 600°C (min to 325°C (5 min))
GC Columns	2x HP-5ms 1.8 (15 m x 0.25 mm x 0.25 µm)
Mobile Phase	1st column 1.00 ml/min, 2nd column 1.20 ml/min
Column Temperature Program	60°C (1 min), 40°C/min to 110°C, 2°C/min to 210°C (3 min)
Total Analysis Time	20.75 min
Transferline Temperature	200°C

Summary (1ul. injection)

Mass Spectrometer	Agilent 7010 Series
Ionization mode	CI
Ion Source Temperature	200°C
Top and Trap Desorption Temperature	150°C
Acquisition mode	Multiple reaction monitoring (MRM)
Daq. Rate	Set with regards to the number of MRM transitions in the segment to get the final acquisition frequency (5 scans/s @ 10)
Collision Gas	Nitrogen (1.0 ml/min)
Sheath Gas	Heads (0.4 ml/min)

Agilent Technologies

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Analytes	CAS	Analytes	CAS	Analytes	CAS	Analytes	CAS
1,2,3,4-Tetrachlorobenzene	634-66-2	Benalaxyl	71626-11-4	Cadusafos	95465-99-9	Chlorpyrifos-Methyl	5598-13-0
2,4-D Isopropyl ester	94-11-1	Benfluralin	1861-40-1	Captafol	2425-06-1	Chlorthal-Dimethyl	1861-32-1
2,4-D-Methyl	1928-38-7	Benoxacor	98730-04-2	Captan	133-06-2	Chlozolinate	84332-86-5
Acetochlor	34256-82-1	Bifenox	42576-02-3	Carbophenothion	786-19-6	Cinidon-Ethyl	142891-20-1
Acibenzolar-S-Methyl	135158-54-2	Bifenthrin	82657-04-3	Carfentrazone-Ethyl	128638-02-1	Clethodim	99129-21-2
Aclonifen	74070-46-5	Bioallethrin	260359-57-7	Chinomethionat	2439-01-2	Clomazone	81777-89-1
Acrinathrin	101007-06-1	Bioresmethrin	28434-01-7	Chlordane, cis-	5103-71-9	Cloquintocet-Mexyl	99607-70-2
Alachlor	15972-60-8	Biphenyl	92-52-4	Chlordane, trans-	5103-74-2	Coumaphos	56-72-4
Aldrin	309-00-2	Bitertanol	55179-31-2	Chlordecone	143-50-0	Cyanazine	21725-46-2
Ametryn	834-12-8	Boscalid	188425-85-6	Chlorfenapyr	122453-73-0	Cycloate	1134-23-2
Amitraz	33089-61-1	Bromacil	314-40-9	Chlorfenson	80-33-1	Cyflufenamid	180409-60-3
Anilazine	101-05-3	Bromophos-Ethyl	4824-78-6	Chlorfenvinphos	470-90-6	Cyfluthrin (sum)	68359-37-5
Anthraquinone	84-65-1	Bromophos-Methyl	2104-96-3	Chlorfluazuron	71422-67-8	Cyfluthrin, beta-	68359-37-5
Atrazine	1912-24-9	Bromopropylate	18181-80-1	Chloridazon	1698-60-8	Cyhalothrin, lambda-	91465-08-6
Atrazine, Desethyl-	6190-65-4	Bromoxynil-octanoate	1689-99-2	Chlormephos	24934-91-6	Cypermethrin	52315-07-8
Atrazine, Desisopropyl-	1007-28-9	Bromuconazole	116255-48-2	Chlorobenzilate	510-15-6	Cyproconazole	94361-06-5
Azaconazole	60207-31-0	Bupirimate	41483-43-6	Chloroneb	2675-77-6	Cyprodinil	121552-61-2
Azinphos-ethyl	2642-71-9	Buprofezin	69327-76-0	Chlorothalonil	1897-45-6	DDD, o,p-	53-19-0
Azinphos-Methyl	86-50-0	Butralin	33629-47-9	Chlorpropham	101-21-3	DDD, p,p-	72-54-8
Beflubutamid	113614-08-7	Buturon	3766-60-7	Chlorpyrifos-Ethyl	2921-88-2	DDE, o,p-	3424-82-6

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Accreditations and Certifications

ISO 17034:2016

UNI EN ISO 14001:2015

ISO/IEC 17025:2017

UNI EN ISO 9001:2015

Analytes	CAS	Analytes	CAS	Analytes	CAS	Analytes	CAS
DDE, p,p-	72-55-9	Ethoprophos	13194-48-4	Heptachlorepoxid, cis-	1024-57-3	Methacrifos	62610-77-9
DDT, o,p-	789-02-6	Etofenprox	80844-07-1	Heptachlorepoxid, trans-	28044-83-9	Methamidophos	10265-92-6
DDT, p,p-	50-29-3	Etozazole	153233-91-1	Heptenophos	23560-59-0	Methidathion	950-37-8
Deltamethrin	52918-63-5	Etridiazole	2593-15-9	Hexachloro-1,3-butadien	87-68-3	Methoxychlor	72-43-5
Demeton-O	298-03-3	Etrimfos	38260-54-7	Hexachlorobenzene	118-74-1	Metolachlor	51218-45-2
Demeton-S	126-75-0	Famoxadone	131807-57-3	Hexaconazole	79983-71-4	Metrafenone	220899-03-6
Demeton-S-Methyl	919-86-8	Fenamidone	161326-34-7	Hexazinone	51235-04-2	Metribuzin	21087-64-9
Demeton-S-Methylsulfone	17040-19-6	Fenarimol	60168-88-9	Hexythiazox	78587-05-0	Mevinphos	7786-34-7
Desmetryn	1014-69-3	Fenazaquin	120928-09-8	Imazail	35554-44-0	Mirex	2385-85-5
Diazinon	333-41-5	Fenbuconazole	114369-43-6	Indoxacarb	144171-61-9	Molinate	2212-67-1
Dichlobenil	1194-65-6	Fenclorophos	299-84-3	Iodofenphos	18181-70-9	Monocrotophos	6923-22-4
Dichlofenthion	97-17-6	Fenhexamid	126833-17-8	Ioxynil Octanoate	3861-47-0	Myclobutanil	88671-89-0
Dichlofluamid	1085-98-9	Fenitrothion	122-14-5	Ioxynil-Methyl	3336-40-1	Naled	300-76-5
Dichlormid	37764-25-3	Fenpropathrin	39515-41-8	Iprodione	36734-19-7	Napropamide	15299-99-7
Dichlorobenzamide, 2,6-	2008-58-4	Fenpropidin	67306-00-7	Iprovalicarb	140923-17-7	Naptalam	132-66-1
Dichlorvos	62-73-7	Fenpropimorph	67564-91-4	Isazofos	42509-80-8	Nitrofen	1836-75-5
Diclobutrazol	75736-33-3	Fenson	80-38-6	Isodrin	465-73-6	Norflurazon	27314-13-2
Diclofop-Methyl	51338-27-3	Fenthion	55-38-9	Isufenphos	25311-71-1	Norflurazon, Desmethyl-	23576-24-1
Dicloran	99-30-9	Fenvalerate	51630-58-1	Isufenphos-Methyl	99675-03-3	Nuarimol	63284-71-9
Dicofol	115-32-2	Fipronil	120068-37-3	Isopyrazam	881685-58-1	Ofurace	58810-48-3
Dicrotophos	141-66-2	Fipronil-Desulfinyli	205650-65-3	Isoxaben	82558-50-7	Omethoate	1113-02-6
Dieldrin	60-57-1	Fipronil-Sulfone	120068-36-2	Isoxadifen-Ethyl	163520-33-0	Orthophenylphenol	90-43-7
Difenoconazole	119446-68-3	Flonicamid	158062-67-0	Kresoxim-Methyl	143390-89-0	Oxadiarg-yl	39807-15-3
Diflufenican	83164-33-4	Fluazifop-P-Butyl	79241-46-6	Malaoxon	1634-78-2	Oxadiazon	19666-30-9
Dimefox	115-26-4	Flucythrinate	70124-77-5	Malathion	121-75-5	Oxadixyl	77732-09-3
Dimethachlor	50563-36-5	Flufenacet	142459-58-3	MCPA, 1-Butyl-	1713-12-8	Oxychlorthane	27304-13-8
Dimethenamid	87674-68-8	Flumioxazin	103361-09-7	MCPA-2-Ethylhexyl	29450-45-1	Oxyfluorfen	42874-03-3
Dimethoate	60-51-5	Fluoxastrobin	361377-29-9	MCPA-Butothyl	19480-43-4	Paclbutrazol	76738-62-0
Dimethomorph	110488-70-5	Fluquinconazole	136426-54-5	MCPA-Ethyl	2698-38-6	Paraoxon	311-45-5
Dimetilan	644-64-4	Flurochloridone	61213-25-0	MCPA-Methyl	2436-73-9	Paraoxon-Methyl	950-35-6
Diniconazole	83657-24-3	Flurprimidol	56425-91-3	MCPP, 1-Octyl-	161922-37-8	Parathion-ethyl	56-38-2
Dinitramine	29091-05-2	Flusilazole	85509-19-9	MCPP-Methyl	2786-19-8	Parathion-Methyl	298-00-0
Diphenylamine	122-39-4	Flutriafol	76674-21-0	Mecoprop-2,4,4-trimethylpentyl ester	217487-13-3	PCB 101	37680-73-2
Disulfoton	298-04-4	Fluvalinate, tau-	102851-06-9	Mecoprop-2-butoxyethyl ester	23359-62-8	PCB 105	32598-14-4
Ditalimfos	5131-24-8	Folpet	133-07-3	Mecoprop-2-ethylhexyl ester	71526-69-7	PCB 114	74472-37-0
Endosulfan, alpha-	959-98-8	Fonofos	944-22-9	Mecoprop-2-octyl ester	28473-03-2	PCB 118	31508-00-6
Endosulfan, beta-	33213-65-9	Formothion	2540-82-1	Mecoprop-n/isobutyl ester	4938-72-1	PCB 121	56558-18-0
Endosulfansulfate	1031-07-8	Furalaxyl	57646-30-7	Mefenacet	73250-68-7	PCB 123	65510-44-3
Endrin	72-20-8	Furathiocarb	65907-30-4	Mefenpyr-Diethyl	135590-91-9	PCB 126	57465-28-8
Endrin Aldehyde	7421-93-4	HCH, alpha-	319-84-6	Mepanipyrim	110235-47-7	PCB 128	38380-07-3
EPN	2104-64-5	HCH, beta-	319-85-7	Mepronil	55814-41-0	PCB 138	35065-28-2
Epoxiconazole	133855-98-8	HCH, delta-	319-86-8	Metalaxyl	57837-19-1	PCB 149	38380-04-0
Esfenvalerate	66230-04-4	HCH, epsilon-	6108-10-7	Metamitron	41394-05-2	PCB 153	35065-27-1
Ethion	563-12-2	HCH, gamma-	58-89-9	Metazachlor	67129-08-2	PCB 156	38380-08-4
Ethofumesate	26225-79-6	Heptachlor	76-44-8	Metconazole	125116-23-6	PCB 157	69782-90-7

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PCB 167	52663-72-6	Phosalone	2310-17-0	Pyriproxyfen	95737-68-1	Tetraconazole	112281-77-3
PCB 169	32774-16-6	Phosphamidon	13171-21-6	Quinalphos	13593-03-8	Tetradifon	116-29-0
PCB 170	35065-30-6	Pinoxaden	243973-20-8	Quinoclamine	2797-51-5	Tetramethrin	7696-12-0
PCB 18	37680-65-2	Piperonyl butoxide	51-03-6	Quinoxifen	124495-18-7	Tetrasul	2227-13-6
PCB 180	35065-29-3	Pirimiphos-Ethyl	23505-41-1	Quintozene	82-68-8	Thiacloprid	111988-49-9
PCB 189	39635-31-9	Pirimiphos-Methyl	29232-93-7	Rotenone	83-79-4	Thiobencarb	28249-77-6
PCB 194	35694-08-7	Pretilachlor	51218-49-6	Sebuthylazine	7286-69-3	Thiocyclam-Oxalate	31895-22-4
PCB 20	38444-84-7	Prochloraz	67747-09-5	Secbumeton	26259-45-0	Thiometon	640-15-3
PCB 209	2051-24-3	Procymidone	32809-16-8	Simazine	122-34-9	Tolclofos-Methyl	57018-04-9
PCB 28	7012-37-5	Profenofos	41198-08-7	Spiromesifen	283594-90-1	Tolyfluanid	731-27-1
PCB 31	16606-02-3	Prometon	1610-18-0	Spiroxamine	118134-30-8	Triadimefon	43121-43-3
PCB 35	37680-69-6	Prometryn	7287-19-6	Sulfotep	3689-24-5	Triadimenol	55219-65-3
PCB 44	41464-39-5	Propachlor	1918-16-7	Tebuconazole	107534-96-3	Tri-Allate	2303-17-5
PCB 52	35693-99-3	Propanil	709-98-8	Tebufenpyrad	119168-77-3	Triazophos	24017-47-8
PCB 54	15968-05-5	Propargite	2312-35-8	Tebutam	35256-85-0	Tributyl Phosphate	126-73-8
PCB 77	32598-13-3	Propazine	139-40-2	Tecnazene	117-18-0	Trichlorfon	52-68-6
PCB 81	70362-50-4	Propetamphos	31218-83-4	Tefluthrin	79538-32-2	Trichlorobenzene, 1,2,3-	87-61-6
Penconazole	66246-88-6	Propiconazole	60207-90-1	Terbacil	5902-51-2	Trichlorobenzene, 1,2,4-	120-82-1
Pendimethalin	40487-42-1	Propyzamide	23950-58-5	Terbufos	13071-79-9	Trichlorobenzene, 1,3,5-	108-70-3
Pentachloroaniline	527-20-8	Proquinazid	189278-12-4	Terbumeton	33693-04-8	Tricyclazole	41814-78-2
Pentachlorobenzene	608-93-5	Prothiofos	34643-46-4	Terbumeton, Desethyl-	30125-64-5	Trifloxystrobin	141517-21-7
Permethrin, cis-	61949-76-6	Pyrazophos	13457-18-6	Terbuthylazine	5915-41-3	Trifluralin	1582-09-8
Permethrin, trans-	61949-77-7	Pyridaben	96489-71-3	Terbuthylazine, desethyl-	30125-63-4	Trinexapac-Ethyl	95266-40-3
Perthane	72-56-0	Pyridaphenthion	119-12-0	Terbutryn	886-50-0	Vamidotion	2275-23-2
Phenothrin	26002-80-2	Pyridate	55512-33-9	Tetrachlorobenzene, 1,2,3,5-	634-90-2	Vinclozolin	50471-44-8
Phenthoate	2597-03-7	Pyrifenox	88283-41-4	Tetrachlorobenzene, 1,2,4,5-	95-94-3	Zoxamide	156052-68-5
Phorate	298-02-2	Pyrimethanil	53112-28-0	Tetrachlorvinphos	22248-79-9		

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