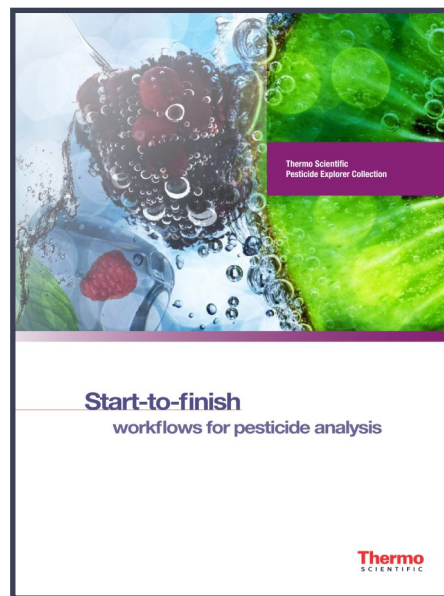


The following **LabStandard®** Kit contains all the pesticides mentioned by Thermo Fisher Scientific to realize and publish the Explorer Collection 2.0 for determination of pesticides residues using LCMSMS Triple Quadrupole & Orbitrap.

Code	Concentration	Solvent	Packaging
KIT4CH3L676	100,00 mg/l 1000,00 mg/l	Various solvent	39 x 1,1 ml amber silanized ampoules Mix in Acetonitrile 2 x 1,1 ml amber silanized ampoules Mix in Toluene 2 x 1,1 ml amber silanized ampoules Mix in Methanol 27 x 1,1 ml amber silanized ampoules Single component



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Analytes	CAS	Analytes	CAS	Analytes	CAS	Analytes	CAS
2,4,5-T	93-76-5	Amitraz Metabolite BTS 27919 ***	60397-77-5	Bensulfuron-Methyl	83055-99-6	Bromoxynil	1689-84-5
2,4,5-TP	93-72-1	Ancymidol	12771-68-5	Bensulide	741-58-2	Bromoxynil-octanoate	1689-99-2
2,4-D	94-75-7	Anilazine	101-05-3	Bentazone	25057-89-0	Bromuconazole	116255-48-2
Abamectin	71751-41-2	Aramite ***	140-57-8	Bentazone-Methyl ***	61592-45-8	BTS 40348 ***	67747-01-7
Acephate	30560-19-1	Aspon ***	3244-90-4	Benthiavalicarb-Isopropyl	177406-68-7	BTS 44595 ***	139520-94-8
Acequinocyl	57960-19-7	Atraton	1610-17-9	Benzalkonium Chloride n-C10 ***	965-32-2	BTS 44596 ***	139542-32-8
Acetamiprid	135410-20-7	Atrazine	1912-24-9	Benzalkonium Chloride n-C12 ***	139-07-1	Bupirimate	41483-43-6
Acetochlor	34256-82-1	Atrazine, Desethyl-	6190-65-4	Benzalkonium Chloride n-C14 ***	139-08-2	Buprofezin	69327-76-0
Acibenzolar-S-Methyl	135158-54-2	Atrazine, Desisopropyl-	1007-28-9	Benzalkonium Chloride n-C16 ***	122-18-9	Butachlor	23184-66-9
Acifluorfen	50594-66-6	Azaconazole	60207-31-0	Benzalkonium Chloride n-C18 ***	122-19-0	Butafenacil	134605-64-4
Aconifen	74070-46-5	Azadirachtin ***	11141-17-6	Benzalkonium Chloride n-C8 ***	959-55-7	Butamifos	36335-67-8
Alachlor	15972-60-8	Azamectiphos	35575-96-3	Benzoximate	29104-30-1	Butocarboxim	34681-10-2
Alanycarb ***	83130-01-2	Azimsulfuron ***	120162-55-2	Benzoylprop-Ethyl	22212-55-1	Butocarboxim-sulfoxide ***	34681-24-8
Albendazole ***	54965-21-8	Azinphos-ethyl	2642-71-9	Benzthiazuron ***	1929-88-0	Butoxycarboxim	34681-23-7
Aldicarb	116-06-3	Azinphos-Methyl	86-50-0	Bifenazate	149877-41-8	Butralin	33629-47-9
Aldicarb-Sulfone	1646-88-4	Azinphos-Methyl	86-50-0	Bifenox	42576-02-3	Buturon	3766-60-7
Aldicarb-Sulfoxide	1646-87-3	Azinphos-Methyl	86-50-0	Bifenthrin	82657-04-3	Butylate	2008-41-5
Allethrin	584-79-2	Azinphos-Methyl	86-50-0	Bioallethrin ***	482370-76-3	Cadusafos	95465-99-9
Allidochlor	93-71-0	Azinphos-Methyl	86-50-0	Bispyribac Sodium ***	125401-92-5	Cambendazole ***	26097-80-3
Ametoctradin	865318-97-4	Azinphos-Methyl	86-50-0	Bitertanol	55179-31-2	Captafol	2425-06-1
Ametryn	834-12-8	Azinphos-Methyl	86-50-0	Bixafen	581809-46-3	Captan	133-06-2
Amicarbazone ***	129909-90-6	Azinphos-Methyl	86-50-0	Boscalid	188425-85-6	Carbaryl	63-25-2
Aminocarb	2032-59-9	Azinphos-Methyl	86-50-0	Bromacil	314-40-9	Carbendazim ***	10605-21-7
Amisulbrom	348635-87-0	Azinphos-Methyl	86-50-0	Bromadiolone	28772-56-7	Carbetamide	16118-49-3
Amitraz ***	33089-61-1	Azinphos-Methyl	86-50-0	Bromfenvinphos	33399-00-7	Carbofuran ***	1563-66-2
		Benazolin	3813-05-6				
		Bendiocarb	22781-23-3				
		Benfuracarb	82560-54-1				
		Benodanil	15310-01-7				
		Benoxacor	98730-04-2				

Analytes	CAS	Analytes	CAS	Analytes	CAS	Analytes	CAS
Carbofuran, 3-Hydroxy ***	16655-82-6	Cyazofamid	120116-88-3	Diclofop-Methyl	51338-27-3	Epoxiconazole	133855-98-8
Carbofuran, 3-Keto ***	16709-30-1	Cycloate	1134-23-2	Dicrotophos	141-66-2	Eprinomectin	123997-26-2
Carbophenothion	786-19-6	Cycloheximide	66-81-9	Diethofencarb	87130-20-9	EPTC	759-94-4
Carbosulfan ***	55285-14-8	Cycloxydim	101205-02-1	Difenacoum ***	56073-07-5	Etaconazole	60207-93-4
Carboxin	5234-68-4	Cycluron	2163-69-1	Difenoconazole	119446-68-3	Ethidimuron	30043-49-3
Carfentrazone-Ethyl	128638-02-1	Cyflufenamid	180409-60-3	Difenoxuron	14214-32-5	Ethiofencarb	29973-13-5
Carpropamid	104030-54-8	Cyflumetofen ***	400882-07-7	Diflubenzuron	35367-38-5	Ethiofencarb-sulfone	53380-23-7
Chlorantraniliprole	500008-45-7	Cyfluthrin (sum) ***	68359-37-5	Diflufenican	83164-33-4	Ethiofencarb-Sulfoxide	53380-22-6
Chlorbenside	103-17-3	Cyhalofop-Butyl	122008-85-9	Dimefox	115-26-4	Ethiolate	2941-55-1
Chlorbromuron	13360-45-7	Cyhalothrin, lambda-	91465-08-6	Dimefuron	34205-21-5	Ethion	563-12-2
Chlorbufam	1967-16-4	Cymiazole	61676-87-7	Dimepiperate	61432-55-1	Ethiprole	181587-01-9
Chlordimeform	6164-98-3	Cymoxanil	57966-95-7	Dimethachlor	50563-36-5	Ethirimol	23947-60-6
Chlorfenprop-methyl ***	14437-17-3	Cypermethrin	52315-07-8	Dimethenamid	87674-68-8	Ethofumesate	26225-79-6
Chlorfenvinphos	470-90-6	Cyproconazole	94361-06-5	Dimethipin ***	55290-64-7	Ethoprophos	13194-48-4
Chlorfluazuron	71422-67-8	Cyprodinil	121552-61-2	Dimethirimol ***	5221-53-4	Ethoxyquin	91-53-2
Chloridazon	1698-60-8	Cyprosulfamide	221667-31-8	Dimethoate	60-51-5	Etofenprox	80844-07-1
Chlormephos	24934-91-6	Cyromazine ***	66215-27-8	Dimethomorph	110488-70-5	Etoxazole	153233-91-1
Chlorotoluron	15545-48-9	Cythioate ***	115-93-5	Dimethylaniline, 2,4- ***	95-68-1	Etridiazole	2593-15-9
Chloroxuron	1982-47-4	Dazomet	533-74-4	Dimethylvinphos ***	2274-67-1	Famoxadone	131807-57-3
Chlorpropham	101-21-3	DDAC-C10 ***	7173-51-5	Dimoxystrobin	149961-52-4	Famphur	52-85-7
Chlorpyrifos-Ethyl	2921-88-2	DDAC-C12 Chloride ***	3401-74-9	Diniconazole	83657-24-3	Fenamidone	161326-34-7
Chlorpyrifos-Methyl	5598-13-0	DDAC-C14 ***	68105-02-2	Dinitramine	29091-05-2	Fenamiphos	22224-92-6
Chlorsulfuron	64902-72-3	DDAC-C8 Chloride ***	5538-94-3	Dinobuton ***	973-21-7	Fenamiphos-Sulfone	31972-44-8
Chlorthiamid	1918-13-4	DEET	134-62-3	Dinocap ***	39300-45-3	Fenamiphos-Sulfoxide	31972-43-7
Chlorthion	500-28-7	Deltamethrin	52918-63-5	Dinotefuran	165252-70-0	Fenarimol	60168-88-9
Chlorthiophos	60238-56-4	Demeton-O ***	298-03-3	Dioxacarb	6988-21-2	Fenazaquin	120928-09-8
Chromafenozide ***	143807-66-3	Demeton-S-Methyl	919-86-8	Diphenamid	957-51-7	Fenbuconazole	114369-43-6
Cinidon-Ethyl	142891-20-1	Demeton-S-Methylsulfone	17040-19-6	Diphenylamine	122-39-4	Fenbutatin Oxide ***	13356-08-6
Cinosulfuron	94593-91-6	Demeton-S-Methylsulfoxide	301-12-2	Dipropetryn	4147-51-7	Fenchlorazole-Ethyl ***	103112-35-2
Climbazole	38083-17-9	Desmedipham	13684-56-5	Disulfoton	298-04-4	Fenfuram ***	24691-80-3
Clodinafop ***	114420-56-3	Desmetryn	1014-69-3	Disulfoton-Sulfone	2497-06-5	Fenhexamid	126833-17-8
Clodinafop-Propargyl	105512-06-9	Diafenthuron	80060-09-9	Disulfoton-Sulfoxide	2497-07-6	Fenobucarb	3766-81-2
Clofentezine	74115-24-5	Dialifos	10311-84-9	Ditalimfos	5131-24-8	Fenothiocarb	62850-32-2
Clomazone	81777-89-1	Di-Allate	2303-16-4	Dithiopyr	97886-45-8	Fenoxanil	115852-48-7
Clopyralid	1702-17-6	Diazinon	333-41-5	Diuron	330-54-1	Fenoxaprop-P-Ethyl	71283-80-2
Cloquintocet-Mexyl	99607-70-2	Dicamba	1918-00-9	DMSA ***	4710-17-2	Fenoxycarb	72490-01-8
Cloransulam-methyl ***	147150-35-4	Dicapthon ***	2463-84-5	DMST	66840-71-9	Fenpiclonil	74738-17-3
Clothianidin	210880-92-5	Dichlofenthion	97-17-6	DNOC	534-52-1	Fenpropathrin	39515-41-8
Coumachlor ***	81-82-3	Dichlofluanid	1085-98-9	Dodemorph	1593-77-7	Fenpropidin	67306-00-7
Coumaphos	56-72-4	Dichlormid	37764-25-3	Dodine ***	2439-10-3	Fenpropimorph	67564-91-4
Crimidine	535-89-7	Dichlorobenzamide, 2,6- ***	2008-58-4	Doramectin	117704-25-3	Fenpyrazamine	473798-59-3
Cruformate	299-86-5	Dichlorobenzophenone, 4,4'- ***	90-98-2	Edifenphos	17109-49-8	Fenpyroximate	111812-58-9
Cyanazine	21725-46-2	Dichlorprop	120-36-5	Emamectin-Benzate	155569-91-8	Fenson	80-38-6
Cyanofenphos	13067-93-1	Dichlorvos	62-73-7	Endothal monohydrate ***	62059-43-2	Fensulfothion	115-90-2
Cyanophos	2636-26-2	Diclobutrazol	75736-33-3	EPN	2104-64-5	Fensulfothion-Sulfone	14255-72-2

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Part.IVA: 03176570723 - C.C.I.A.A. n. 247858 Trib. Bari n. 12439

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
Fenthion	55-38-9	Flutriafol	76674-21-0	Isofenphos	25311-71-1	Methoprene	40596-69-8
Fenthion-Oxon	6552-12-1	Fluvalinate, tau-	102851-06-9	Isofenphos-Methyl	99675-03-3	Methoprotryne	841-06-5
Fenthion-Oxonsulfone	14086-35-2	Fluxapyroxad	907204-31-3	Isoprocarb	2631-40-5	Methoxyfenozide ***	161050-58-4
Fenthion-Oxonsulfoxide	6552-13-2	Folpet	133-07-3	Isopropalin	33820-53-0	Metobromuron	3060-89-7
Fenthion-Sulfone	3761-42-0	Fomesafen	72178-02-0	Isoprotiolane	50512-35-1	Metolachlor	51218-45-2
Fenthion-Sulfoxide	3761-41-9	Fonofos	944-22-9	Isoproturon	34123-59-6	Metolcarb	1129-41-5
Fenuron	101-42-8	Foramsulfuron ***	173159-57-4	Isoprazam	881685-58-1	Metosulam	139528-85-1
Fenvalerate	51630-58-1	Forchlorfenuron	68157-60-8	Isoxaben	82558-50-7	Metoxuron	19937-59-8
Fipronil ***	120068-37-3	Formothion ***	2540-82-1	Isoxadifen-Ethyl	163520-33-0	Metrafenone	220899-03-6
Fipronil-Sulfone	120068-36-2	Fosthiazate	98886-44-3	Isoxaflutole	141112-29-0	Metribuzin	21087-64-9
Flamprop ***	58667-63-3	Fuberidazole	3878-19-1	Isoxathion	18854-01-8	Metsulfuron-Methyl	74223-64-6
Flamprop-Isopropyl	52756-22-6	Furalaxyl	57646-30-7	Ivermectin	70288-86-7	Mevinphos	7786-34-7
Flamprop-Methyl	52756-25-9	Furathiocarb	65907-30-4	Kresoxim-Methyl	143390-89-0	Mexacarbate ***	315-18-4
Flazasulfuron ***	104040-78-0	Griseofulvin	126-07-8	Lactofen	77501-63-4	MGK-264 ***	113-48-4
Flonicamid	158062-67-0	Halofenozide	112226-61-6	Linuron	330-55-2	Molinate	2212-67-1
Florasulam	145701-23-1	Halosulfuron-Methyl	100784-20-1	Lufenuron	103055-07-8	Monalide ***	7287-36-7
Fluazifop	69335-91-7	Haloxypop	69806-34-4	Malaoxon	1634-78-2	Monocrotophos	6923-22-4
Fluazifop-P-Butyl	79241-46-6	Haloxypop-Ethotyl	87237-48-7	Malathion	121-75-5	Monolinuron	1746-81-2
Fluazinam ***	79622-59-6	Haloxypop-Methyl	69806-40-2	Mandipropamid	374726-62-2	Monuron	150-68-5
Fluazuron ***	86811-58-7	Haloxypop-R-Methyl ***	72619-32-0	MCPA	94-74-6	Myclobutanil	88671-89-0
Flubendiamide	272451-65-7	Heptenophos	23560-59-0	MCPP	93-65-2	Nabam ***	142-59-6
Flucythrinate	70124-77-5	Hexaconazole	79983-71-4	Mecarbam	2595-54-2	Naled	300-76-5
Fludioxonil	131341-86-1	Hexaflumuron	86479-06-3	Mefenacet	73250-68-7	Naphthylacetamide, 1- ***	86-86-2
Flufenacet	142459-58-3	Hexazinone	51235-04-2	Mefenpyr-Diethyl	135590-91-9	Napropamide	15299-99-7
Flufenoxuron	101463-69-8	Hexythiazox	78587-05-0	Mefluidide ***	53780-34-0	Naptalam	132-66-1
Flumetralin	62924-70-3	Imazalil	35554-44-0	Mepanipirim	110235-47-7	Neburon	555-37-3
Flumetsulam	98967-40-9	Imazamethabenz-Methyl	81405-85-8	Mephosolan ***	950-10-7	Nicosulfuron	111991-09-4
Flumioxazin	103361-09-7	Imazapic ***	104098-48-8	Mepronil	55814-41-0	Nicotine	54-11-5
Flumeturon	2164-17-2	Imazapyr	81334-34-1	Meptyldinocap	131-72-6	Nitenpyram	150824-47-8
Fluopicolide	239110-15-7	Imazaquin	81335-37-7	Mesosulfuron-Methyl	208465-21-8	Nitralin	4726-14-1
Fluopyram	658066-35-4	Imazethapyr	81335-77-5	Mesotrione	104206-82-8	Norflurazon	27314-13-2
Fluoroglycofen-ethyl ***	77501-90-7	Imibenconazole	86598-92-7	Metaflumizone	139968-49-3	Novaluron	116714-46-6
Fluotrimazole	31251-03-3	Imidacloprid	138261-41-3	Metalaxyl	57837-19-1	N-Phenylurea ***	64-10-8
Fluoxastrobin	361377-29-9	Inabenfide ***	82211-24-3	Metamitron	41394-05-2	Nuarimol	63284-71-9
Flupyradifurone ***	951659-40-8	Indoxacarb	144171-61-9	Metazachlor	67129-08-2	Ofurace	58810-48-3
Fluquinconazole	136426-54-5	Iodofenphos	18181-70-9	Metconazole	125116-23-6	Omethoate	1113-02-6
Fluridone	59756-60-4	Iodosulfuron-Methyl-Sodium	144550-36-7	Methabenzthiazuron	18691-97-9	Orbencarb	34622-58-7
Flurochloridone	61213-25-0	Ioxynil	1689-83-4	Methacrifos	62610-77-9	Oryzalin	19044-88-3
Fluroxypyr	69377-81-7	Ipconazole	125225-28-7	Methamidophos	10265-92-6	Oxadiarg-yl	39807-15-3
Fluroxypyr-Meptyl	81406-37-3	Iprobenfos	26087-47-8	Methfuroxam ***	28730-17-8	Oxadiazon	19666-30-9
Flurprimidol	56425-91-3	Iprodione	36734-19-7	Methidathion	950-37-8	Oxadixyl	77732-09-3
Flurtamone ***	96525-23-4	Iprovalicarb	140923-17-7	Methiocarb	2032-65-7	Oxamyl	23135-22-0
Flusilazole	85509-19-9	Isazofos	42509-80-8	Methiocarb-Sulfone	2179-25-1	Oxamyl-oxime ***	30558-43-1
Fluthiacet-methyl	117337-19-6	Isocarbamid	30979-48-7	Methiocarb-Sulfoxide	2635-10-1	Oxasulfuron ***	144651-06-9
Flutolanil	66332-96-5	Isocarbophos	24353-61-5	Methomyl	16752-77-5	Oxfendazole ***	53716-50-0

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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
Oxycarboxin	5259-88-1	Prometryn	7287-19-6	Rotenone	83-79-4	Tetrahydrophthalimide	1469-48-3
Oxyfluorfen	42874-03-3	Propachlor	1918-16-7	Saflufenacil	372137-35-4	Tetramethrin	7696-12-0
Paclobutrazol	76738-62-0	Propanil	709-98-8	Sethoxydim	74051-80-2	TFNA	158063-66-2
Paraoxon	311-45-5	Propaquizafop	111479-05-1	Siduron	1982-49-6	Thiabendazole	148-79-8
Paraoxon-Methyl	950-35-6	Propargite	2312-35-8	Silafluofen ***	105024-66-6	Thiabendazole, 5-Hydroxy- ***	948-71-0
Parathion-ethyl	56-38-2	Propazine	139-40-2	Silthiofam	175217-20-6	Thiacloprid	111988-49-9
Parathion-methyl	298-00-0	Propetamphos	31218-83-4	Simeconazole	149508-90-7	Thiamethoxam	153719-23-4
Pebulate	1114-71-2	Propham	122-42-9	Simetryn	1014-70-6	Thiazopyr	117718-60-2
Penconazole	66246-88-6	Propiconazole	60207-90-1	Spinetoram	187166-40-1	Thifensulfuron-Methyl	79277-27-3
Pencycuron	66063-05-6	Propoxur	114-26-1	Spinosad	168316-95-8	Thiobencarb	28249-77-6
Pendimethalin	40487-42-1	Propoxycarbazone Sodium ***	181274-15-7	Spirodiclofen	148477-71-8	Thiodicarb	59669-26-0
Penflufen ***	494793-67-8	Propyzamide	23950-58-5	Spiromesifen	283594-90-1	Thiofanox	39196-18-4
Penfluron ***	35367-31-8	Proquinazid	189278-12-4	Spirotetramat	203313-25-1	Thiofanox-sulfone ***	39184-59-3
Penoxsulam	219714-96-2	Prosulfocarb	52888-80-9	Spirotetramat, BY1 08330-enol-glucoside ***	1172614-86-6	Thiofanox-sulfoxide ***	39184-27-5
Pentanochlor ***	2307-68-8	Prothioconazole	178928-70-6	Spirotetramat, BY1 08330-ketohydroxy ***	1172134-11-0	Thionazin	297-97-2
Penthiopyrad	183675-82-3	Prothioconazole-Desthio	120983-64-4	Spirotetramat, BY1 08330-mono-hydroxy ***	1172134-12-1	Thiophanate-ethyl ***	23564-06-9
Pethoxamid	106700-29-2	Prothiofos	34643-46-4	Spiroxamine	118134-30-8	Thiophanate-Methyl	23564-05-8
Phenmedipham	13684-63-4	Pymetrozine	123312-89-0	Sulcotrione ***	99105-77-8	Thiram	137-26-8
Phenothrin	26002-80-2	Pyracarbolid	24691-76-7	Sulfallate	95-06-7	Tiocabazil	36756-79-3
Phenthoate	2597-03-7	Pyraclostrobin	175013-18-0	Sulfentrazone	122836-35-5	Tolclofos-Methyl	57018-04-9
Phorate	298-02-2	Pyraflufen-Ethyl	129630-19-9	Sulfotep	3689-24-5	Tolfenpyrad ***	129558-76-5
Phorate-Sulfone	2588-04-7	Pyrasulfotole ***	365400-11-9	Sulfoxaflor ***	946578-00-3	Tolyfluanid	731-27-1
Phorate-sulfoxide ***	2588-03-6	Pyrazophos	13457-18-6	Sulprofos	35400-43-2	Topramezone ***	210631-68-8
Phosalone	2310-17-0	Pyributicarb	88678-67-5	TCMTB ***	21564-17-0	Tralkoxydim	87820-88-0
Phosmet	732-11-6	Pyridaben	96489-71-3	Tebuconazole	107534-96-3	Tralomethrin	66841-25-6
Phosphamidon	13171-21-6	Pyridalyl	179101-81-6	Tebufenozide	112410-23-8	Triadimefon	43121-43-3
Phoxim	14816-18-3	Pyridaphenthion	119-12-0	Tebufenpyrad	119168-77-3	Triadimenol	55219-65-3
Picolinafen	137641-05-5	Pyridate	55512-33-9	Tebupirimfos	96182-53-5	Tri-Allate	2303-17-5
Picoxystrobin	117428-22-5	Pyrifenox	88283-41-4	Tebutam	35256-85-0	Triasulfuron	82097-50-5
Pinoxaden ***	243973-20-8	Pyrimethanil	53112-28-0	Tebuthiuron	34014-18-1	Triazamate	112143-82-5
Piperonyl butoxide	51-03-6	Pyrimidifen ***	105779-78-0	Teflubenzuron	83121-18-0	Triazophos	24017-47-8
Piperophos	24151-93-7	Pyriproxyfen	95737-68-1	Tefluthrin	79538-32-2	Tribenuron-Methyl	101200-48-0
Pirimicarb	23103-98-2	Pyriithiobac-Sodium ***	123343-16-8	Tembotrione ***	335104-84-2	Tribufos	78-48-8
Pirimicarb, Desmethyl-	30614-22-3	Pyroquilon	57369-32-1	Temephos	3383-96-8	Trichlorfon	52-68-6
Pirimicarb, Desmethylformamido- ***	27218-04-8	Pyroxsulam	422556-08-9	Tepraloxymid	149979-41-9	Triclocarban ***	101-20-2
Pirimiphos-Ethyl	23505-41-1	Quinalphos	13593-03-8	Terbacil	5902-51-2	Triclopyr	55335-06-3
Pirimiphos-Methyl	29232-93-7	Quinmerac	90717-03-6	Terbufos	13071-79-9	Tricyclazole	41814-78-2
Pretilachlor	51218-49-6	Quinodamine	2797-51-5	Terbufos-Sulfone	56070-16-7	Tridemorph ***	81412-43-3
Primisulfuron-Methyl	86209-51-0	Quinoxifen	124495-18-7	Terbufos-sulfoxide ***	10548-10-4	Trietazine	1912-26-1
Probenazole ***	27605-76-1	Quizalofop ***	76578-12-6	Terbumeton	33693-04-8	Trifloxystrobin	141517-21-7
Prochloraz	67747-09-5	Quizalofop-Ethyl	76578-14-8	Terbuthylazine	5915-41-3	Trifloxysulfuron sodium ***	199119-58-9
Procymidone	32809-16-8	Quizalofop-P	94051-08-8	Terbuthylazine, desethyl-	30125-63-4	Triflumizole	68694-11-1
Profenofos	41198-08-7	Rabenzazole ***	40341-04-6	Terbutryn	886-50-0	Triflunuron	64628-44-0
Promecarb ***	2631-37-0	Resmethrin	10453-86-8	Tetrachlorvinphos	22248-79-9	Triflusulfuron-methyl ***	126535-15-7
Prometon	1610-18-0	Rimsulfuron	122931-48-0	Tetraconazole	112281-77-3	Triforine	26644-46-2

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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
Trimethacarb, 2,3,5- ***	2655-15-4	Valifenalate	283159-90-0	Vernolate	1929-77-7	XMC	2655-14-3
Trinexapac-ethyl ***	95266-40-3	Vamidothion	2275-23-2	Warfarin	81-81-2	Zoxamide	156052-68-5
Triticonazole	131983-72-7						

Analytes	CAS	Concentration	Solvent
Anilofos	64249-01-0	1000 mg/l	Acetonitrile
Bensultap	17606-31-4	1000 mg/l	Acetonitrile
Dithianon **	3347-22-6	1000 mg/l	Acetonitrile
Emamectin	119791-41-2	1000 mg/l	Acetonitrile
Fentin-acetate	900-95-8	1000 mg/l	Acetonitrile
Flumethrin	69770-45-2	1000 mg/l	Acetonitrile
Furmecyclox	60568-05-0	1000 mg/l	Acetonitrile
Gibberellic Acid **	77-06-5	1000 mg/l	Acetonitrile
Metaldehyde	9002-91-9	1000 mg/l	Acetonitrile

Analytes	CAS	Concentration	Solvent
Asulam	3337-71-1	100 mg/l	Acetone
Atraton-Desisopropyl	30360-56-6	100 mg/l	Acetonitrile
Benomyl	17804-35-2	100 mg/l	Methanol
Cyhexatin	13121-70-5	100 mg/l	Methanol
Diffuzenopyr	109293-97-2	100 mg/l	Acetonitrile
Formetanate HCl	23422-53-9	100 mg/l	Acetonitrile
Imazamox	114311-32-9	100 mg/l	Acetonitrile + 1% F.A
Profoxydim lithium	281664-76-4	100 mg/l	Methanol
Prohexadione Calcium	127277-53-6	100 mg/l	Water
Pyridafol	40020-01-7	100 mg/l	Acetonitrile

Analytes	CAS	Concentration	Solvent
Amitrole **	61-82-5	1000 mg/l	Methanol
Chlormequat **	7003-89-6	1000 mg/l	Methanol
Daminozide **	1596-84-5	1000 mg/l	Methanol
Difenzoquat **	49866-87-7	1000 mg/l	Acetonitrile
Glufosinate ammonium **	77182-82-2	1000 mg/l	Water/Acetonitrile (9:1)
Mepiquat chloride **	24307-26-4	1000 mg/l	Methanol
Propamocarb **	24579-73-5	1000 mg/l	Methanol

Analytes	CAS	Concentration	Solvent
Spirotetramat, BYI 08330-enol *	203312-38-3	100 mg/l	Acetonitrile

Also available for subscription with bimonthly delivery

* shelf life: 12 months
 ** shelf life: 6÷12 months
 ***shelf life: 10÷15 months

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Accreditations and Certifications
 ISO 17034:2016
 UNI EN ISO 14001:2015
 ISO/IEC 17025:2017
 UNI EN ISO 9001:2015



Thermo Scientific
Pesticide Explorer Collection

Start-to-finish

workflows for pesticide analysis

Comprehensive Pesticide Analysis Solutions

Pesticide Explorer Collection

Selection table	Triple Quadrupole Solutions		Orbitrap Solutions	
	1—Standard Quan	2—Premium Quan	3—HRAM Quan	4—HRAM Quan/Qual
Lab Profile				
<i>Routine - Standard Quantitation</i>	●			
<i>Routine - High Sensitivity Quantitation</i>		●		
<i>Routine - Targeted HRAM Quantitation</i>			●	
<i>Routine Plus - Targeted and Non-targeted Screening and Quantitation</i>				●
Workflow and Components	Targeted	Targeted	Targeted	Targeted + Non-targeted
<i>Thermo Scientific™ QuEChERS kit</i>	●	●	●	●
<i>Pre-set Methods (LC-MS)</i>	●	●	●	●
<i>Thermo Scientific™ Accucore™ aQ C18 LC columns (100 x 2.1 mm, 2.6µm)</i>	●	●	●	●
<i>Thermo Scientific™ UltiMate™ 3000 LC system (HPG-3400RS)</i>	●	●	●	●
MS System				
<i>Thermo Scientific™ TSQ Endura MS</i>	●			
<i>Thermo Scientific™ TSQ Quantiva MS</i>		●		
<i>Thermo Scientific™ Q Exactive™ Focus MS</i>			●	●
Software				
<i>Thermo Scientific™ TraceFinder™ software</i>	●	●	●	●
<i>Thermo Scientific™ Compound Discoverer™ software</i>				●
<i>Thermo Scientific™ SIEVE™ software</i>				●
<i>Thermo Scientific™ HRAM MS/MS Spectral Library</i>			●	●
<i>Quick-Start Manual</i>	●	●	●	●
<i>3-day training</i>	●	●	●	●



The Thermo Scientific™ Pesticides Explorer Collection is a comprehensive set of liquid chromatography-mass spectrometry (LC-MS) solutions designed for laboratories performing routine quantitation, targeted and non-targeted screening of pesticide residues in food matrices. Each configuration includes all the workflow components needed—consumables, hardware, software and built-in instrument and data processing methods—pre-configured and tested, from your single trusted supplier, Thermo Fisher Scientific.

Choice of configurations simplify complex pesticide methods

To ensure your immediate success, the Pesticide Explorer Collection is available in four pre-configured, pre-tested solutions.

For laboratories performing routine targeted quantitation, the Pesticide Explorer Collection offers two triple quadrupole mass spectrometer workflow-based configurations for Standard and Premier Quantitation. The Standard Quantitation configuration includes the TSQ Endura triple quadrupole mass spectrometer and ensures compliance against regulated levels of detection. For quantitative applications demanding the highest possible sensitivity, the Premier Quantitation configuration features the TSQ Quantiva triple quadrupole mass spectrometer to meet or exceed regulatory limits.

For laboratories offering specialized analytical services, there is a choice of two Thermo Scientific™ HRAM Orbitrap configurations for quantitation and screening employing the Thermo Scientific™ Q Exactive™ Focus mass spectrometer. HRAM capability significantly enhances quantitative accuracy even when analyzing complex sample matrices with limited prior clean up as well as the ability to quantify and confirm in one single analysis.

Configurations available in the Pesticide Explorer Collection

- Pesticide Explorer Collection – Standard Quantitation
- Pesticide Explorer Collection – Premier Quantitation
- Pesticide Explorer Collection – Orbitrap HRAM Quantitation
- Pesticide Explorer Collection – Orbitrap HRAM Screening and Quantitation

Robust, Routine Workflows for Triple Quadrupo

The Standard and Premier Quantitation configurations provide everything needed to perform robust, routine workflows for SRM-based quantitation of pesticides, from the QuEChERS sample extraction kit to proven multi-class pesticide residue analysis methods. Pre-configured methods for each solution are easy to access on the USB drive included with the Pesticide Explorer Collection installation guide.



Select compounds from the compound database to automatically create the instrument and processing method.

Users can quickly and easily set up a new method using the TraceFinder software compound database, or by uploading and modifying pre-configured methods.



UltiMate 3000 LC System with TSQ Endura MS or TSQ Quantiva MS

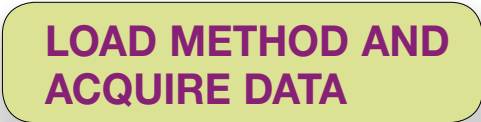
SELECT



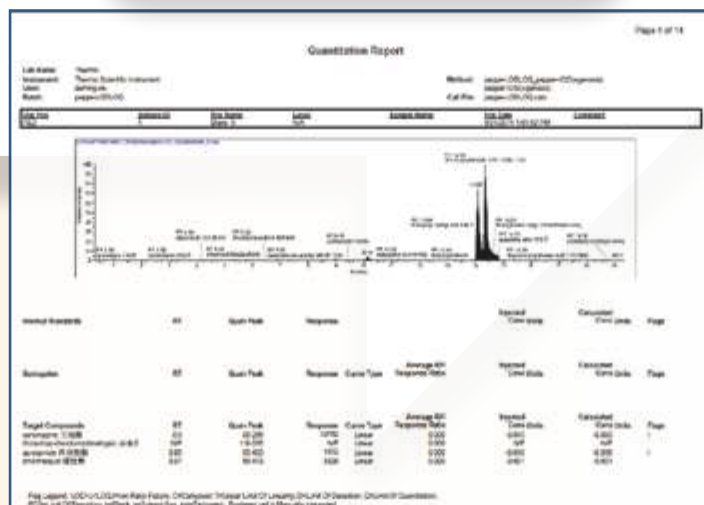
Select a pre-configured TSQ-tested method with column and conditions. Load and go!

MS						MS/MS
Label	Scan/Scan	Intensity	Mass	Relative Intensity	Scan/Scan	
Acetaminophen	100	100	151	100	1	
Acetaminophen	100	100	151	100	2	
Ibuprofen	100	100	206	100	1	
Ibuprofen	100	100	206	100	2	
Naproxen	100	100	230	100	1	
Naproxen	100	100	230	100	2	
Excedrin	100	100	255	100	1	
Excedrin	100	100	255	100	2	
Bufferin	100	100	271	100	1	
Bufferin	100	100	271	100	2	
Alka-Seltzer	100	100	295	100	1	
Alka-Seltzer	100	100	295	100	2	
Aspirin	100	100	333	100	1	
Aspirin	100	100	333	100	2	
Aspirin	100	100	333	100	3	
Aspirin	100	100	333	100	4	
Aspirin	100	100	333	100	5	
Aspirin	100	100	333	100	6	
Aspirin	100	100	333	100	7	
Aspirin	100	100	333	100	8	
Aspirin	100	100	333	100	9	
Aspirin	100	100	333	100	10	
Aspirin	100	100	333	100	11	
Aspirin	100	100	333	100	12	
Aspirin	100	100	333	100	13	
Aspirin	100	100	333	100	14	
Aspirin	100	100	333	100	15	
Aspirin	100	100	333	100	16	
Aspirin	100	100	333	100	17	
Aspirin	100	100	333	100	18	
Aspirin	100	100	333	100	19	
Aspirin	100	100	333	100	20	
Aspirin	100	100	333	100	21	
Aspirin	100	100	333	100	22	
Aspirin	100	100	333	100	23	
Aspirin	100	100	333	100	24	
Aspirin	100	100	333	100	25	
Aspirin	100	100	333	100	26	
Aspirin	100	100	333	100	27	
Aspirin	100	100	333	100	28	
Aspirin	100	100	333	100	29	
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Aspirin	100	100	333	100	45	
Aspirin	100	100	333	100	46	
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Aspirin	100	100	333	100	93	
Aspirin	100	100	333	100	94	
Aspirin	100	100	333	100	95	
Aspirin	100	100	333	100	96	
Aspirin	100	100	333	100	97	
Aspirin	100	100	333	100	98	
Aspirin	100	100	333	100	99	
Aspirin	100	100	333	100	100	

The color flagging features in TraceFinder software enable the analyst to quickly review and confirm results.



REVIEW AND REPORT

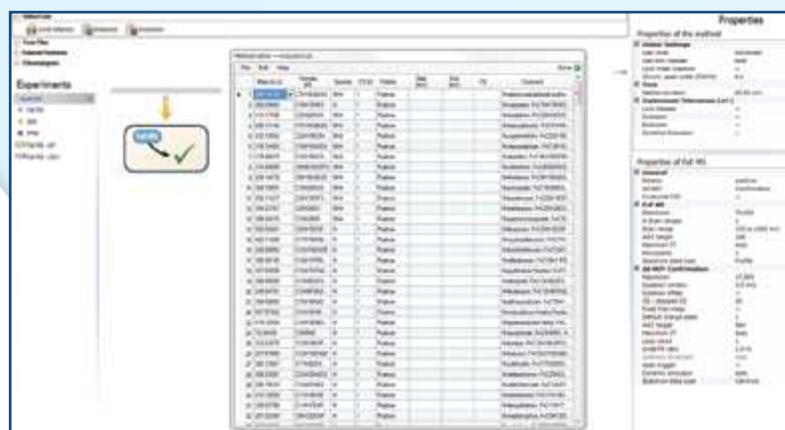


After data review, generate high-quality standard and custom reports to rapidly turn your samples into results.

Routine Workflows for Orbitrap HRAM Targeted

The Orbitrap HRAM Quantitation configuration provides high resolution accurate mass analysis, a unique capability that enables quantitation without compromise in sensitivity, accuracy, precision, or linear dynamic range. High resolving power is particularly useful for the analysis of contaminants in complex matrices and can overcome the masking effects of isobaric interferences, allowing detection of analytes at very low concentrations.

Reduce method development time by using the HRAM spectral fragmentation library and compound database to identify compounds with speed and confidence.



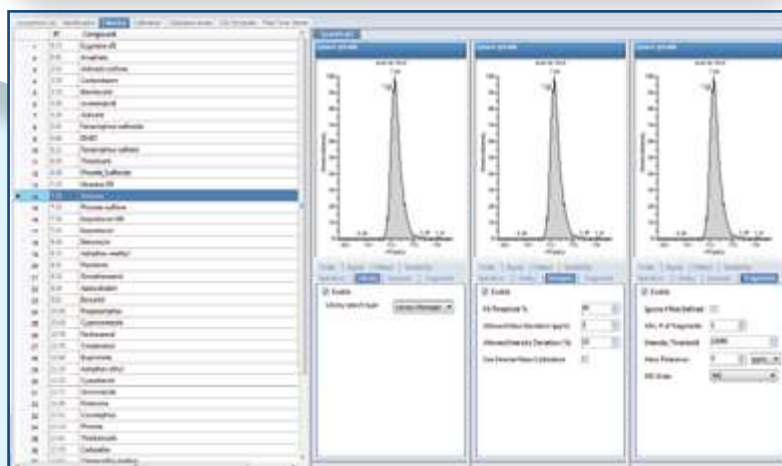
SELECT

Pre-configured instrument methods for targeted quantitation enable the user to quickly start acquiring data.



Q Exactive Focus MS and UltiMate 3000 LC System

LOAD METHOD AND ACQUIRE DATA

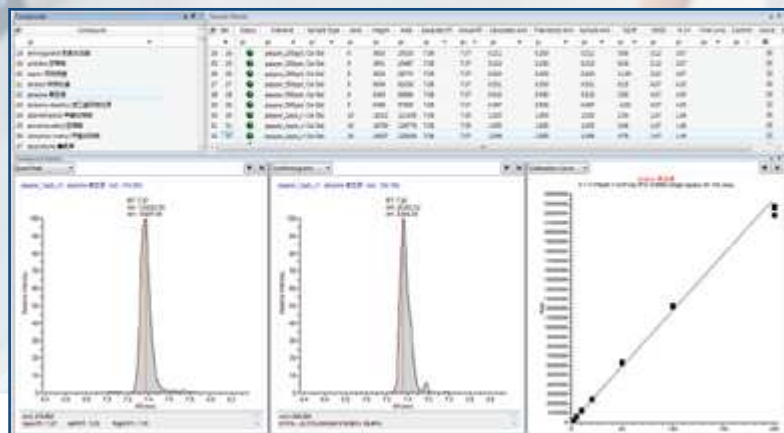


Master Method templates available with the Pesticide Explorer Collection instantly allows users to acquire and process data for quantitation.

Quantitation

A man and a woman are looking at a laptop screen in a laboratory setting. The man is wearing glasses and a white shirt, and the woman has blonde hair. The laptop screen displays a table with columns labeled 'Time', 'Conc', 'Area', and 'Height'. The table contains several rows of data, including values like 1.14, 1.15, 1.16, 1.17, 1.18, 1.19, 1.20, 1.21, 1.22, 1.23, 1.24, 1.25, 1.26, 1.27, 1.28, 1.29, 1.30, 1.31, 1.32, 1.33, 1.34, 1.35, 1.36, 1.37, 1.38, 1.39, 1.40, 1.41, 1.42, 1.43, 1.44, 1.45, 1.46, 1.47, 1.48, 1.49, 1.50, 1.51, 1.52, 1.53, 1.54, 1.55, 1.56, 1.57, 1.58, 1.59, 1.60, 1.61, 1.62, 1.63, 1.64, 1.65, 1.66, 1.67, 1.68, 1.69, 1.70, 1.71, 1.72, 1.73, 1.74, 1.75, 1.76, 1.77, 1.78, 1.79, 1.80, 1.81, 1.82, 1.83, 1.84, 1.85, 1.86, 1.87, 1.88, 1.89, 1.90, 1.91, 1.92, 1.93, 1.94, 1.95, 1.96, 1.97, 1.98, 1.99, 2.00, 2.01, 2.02, 2.03, 2.04, 2.05, 2.06, 2.07, 2.08, 2.09, 2.10, 2.11, 2.12, 2.13, 2.14, 2.15, 2.16, 2.17, 2.18, 2.19, 2.20, 2.21, 2.22, 2.23, 2.24, 2.25, 2.26, 2.27, 2.28, 2.29, 2.30, 2.31, 2.32, 2.33, 2.34, 2.35, 2.36, 2.37, 2.38, 2.39, 2.40, 2.41, 2.42, 2.43, 2.44, 2.45, 2.46, 2.47, 2.48, 2.49, 2.50, 2.51, 2.52, 2.53, 2.54, 2.55, 2.56, 2.57, 2.58, 2.59, 2.60, 2.61, 2.62, 2.63, 2.64, 2.65, 2.66, 2.67, 2.68, 2.69, 2.70, 2.71, 2.72, 2.73, 2.74, 2.75, 2.76, 2.77, 2.78, 2.79, 2.80, 2.81, 2.82, 2.83, 2.84, 2.85, 2.86, 2.87, 2.88, 2.89, 2.90, 2.91, 2.92, 2.93, 2.94, 2.95, 2.96, 2.97, 2.98, 2.99, 3.00, 3.01, 3.02, 3.03, 3.04, 3.05, 3.06, 3.07, 3.08, 3.09, 3.10, 3.11, 3.12, 3.13, 3.14, 3.15, 3.16, 3.17, 3.18, 3.19, 3.20, 3.21, 3.22, 3.23, 3.24, 3.25, 3.26, 3.27, 3.28, 3.29, 3.30, 3.31, 3.32, 3.33, 3.34, 3.35, 3.36, 3.37, 3.38, 3.39, 3.40, 3.41, 3.42, 3.43, 3.44, 3.45, 3.46, 3.47, 3.48, 3.49, 3.50, 3.51, 3.52, 3.53, 3.54, 3.55, 3.56, 3.57, 3.58, 3.59, 3.60, 3.61, 3.62, 3.63, 3.64, 3.65, 3.66, 3.67, 3.68, 3.69, 3.70, 3.71, 3.72, 3.73, 3.74, 3.75, 3.76, 3.77, 3.78, 3.79, 3.80, 3.81, 3.82, 3.83, 3.84, 3.85, 3.86, 3.87, 3.88, 3.89, 3.90, 3.91, 3.92, 3.93, 3.94, 3.95, 3.96, 3.97, 3.98, 3.99, 4.00, 4.01, 4.02, 4.03, 4.04, 4.05, 4.06, 4.07, 4.08, 4.09, 4.10, 4.11, 4.12, 4.13, 4.14, 4.15, 4.16, 4.17, 4.18, 4.19, 4.20, 4.21, 4.22, 4.23, 4.24, 4.25, 4.26, 4.27, 4.28, 4.29, 4.30, 4.31, 4.32, 4.33, 4.34, 4.35, 4.36, 4.37, 4.38, 4.39, 4.40, 4.41, 4.42, 4.43, 4.44, 4.45, 4.46, 4.47, 4.48, 4.49, 4.50, 4.51, 4.52, 4.53, 4.54, 4.55, 4.56, 4.57, 4.58, 4.59, 4.60, 4.61, 4.62, 4.63, 4.64, 4.65, 4.66, 4.67, 4.68, 4.69, 4.70, 4.71, 4.72, 4.73, 4.74, 4.75, 4.76, 4.77, 4.78, 4.79, 4.80, 4.81, 4.82, 4.83, 4.84, 4.85, 4.86, 4.87, 4.88, 4.89, 4.90, 4.91, 4.92, 4.93, 4.94, 4.95, 4.96, 4.97, 4.98, 4.99, 5.00, 5.01, 5.02, 5.03, 5.04, 5.05, 5.06, 5.07, 5.08, 5.09, 5.10, 5.11, 5.12, 5.13, 5.14, 5.15, 5.16, 5.17, 5.18, 5.19, 5.20, 5.21, 5.22, 5.23, 5.24, 5.25, 5.26, 5.27, 5.28, 5.29, 5.30, 5.31, 5.32, 5.33, 5.34, 5.35, 5.36, 5.37, 5.38, 5.39, 5.40, 5.41, 5.42, 5.43, 5.44, 5.45, 5.46, 5.47, 5.48, 5.49, 5.50, 5.51, 5.52, 5.53, 5.54, 5.55, 5.56, 5.57, 5.58, 5.59, 5.60, 5.61, 5.62, 5.63, 5.64, 5.65, 5.66, 5.67, 5.68, 5.69, 5.70, 5.71, 5.72, 5.73, 5.74, 5.75, 5.76, 5.77, 5.78, 5.79, 5.80, 5.81, 5.82, 5.83, 5.84, 5.85, 5.86, 5.87, 5.88, 5.89, 5.90, 5.91, 5.92, 5.93, 5.94, 5.95, 5.96, 5.97, 5.98, 5.99, 6.00, 6.01, 6.02, 6.03, 6.04, 6.05, 6.06, 6.07, 6.08, 6.09, 6.10, 6.11, 6.12, 6.13, 6.14, 6.15, 6.16, 6.17, 6.18, 6.19, 6.20, 6.21, 6.22, 6.23, 6.24, 6.25, 6.26, 6.27, 6.28, 6.29, 6.30, 6.31, 6.32, 6.33, 6.34, 6.35, 6.36, 6.37, 6.38, 6.39, 6.40, 6.41, 6.42, 6.43, 6.44, 6.45, 6.46, 6.47, 6.48, 6.49, 6.50, 6.51, 6.52, 6.53, 6.54, 6.55, 6.56, 6.57, 6.58, 6.59, 6.60, 6.61, 6.62, 6.63, 6.64, 6.65, 6.66, 6.67, 6.68, 6.69, 6.70, 6.71, 6.72, 6.73, 6.74, 6.75, 6.76, 6.77, 6.78, 6.79, 6.80, 6.81, 6.82, 6.83, 6.84, 6.85, 6.86, 6.87, 6.88, 6.89, 6.90, 6.91, 6.92, 6.93, 6.94, 6.95, 6.96, 6.97, 6.98, 6.99, 7.00, 7.01, 7.02, 7.03, 7.04, 7.05, 7.06, 7.07, 7.08, 7.09, 7.10, 7.11, 7.12, 7.13, 7.14, 7.15, 7.16, 7.17, 7.18, 7.19, 7.20, 7.21, 7.22, 7.23, 7.24, 7.25, 7.26, 7.27, 7.28, 7.29, 7.30, 7.31, 7.32, 7.33, 7.34, 7.35, 7.36, 7.37, 7.38, 7.39, 7.40, 7.41, 7.42, 7.43, 7.44, 7.45, 7.46, 7.47, 7.48, 7.49, 7.50, 7.51, 7.52, 7.53, 7.54, 7.55, 7.56, 7.57, 7.58, 7.59, 7.60, 7.61, 7.62, 7.63, 7.64, 7.65, 7.66, 7.67, 7.68, 7.69, 7.70, 7.71, 7.72, 7.73, 7.74, 7.75, 7.76, 7.77,

Review results rapidly by flagging method criteria and/or regulatory levels. Choose from a large number of pre-defined and customizable report templates meeting a variety of regulatory requirements. View the result of changes to the data processing method immediately without manual intervention.



In data review, the analyst is able to quickly glance through all compounds and samples in a single view.

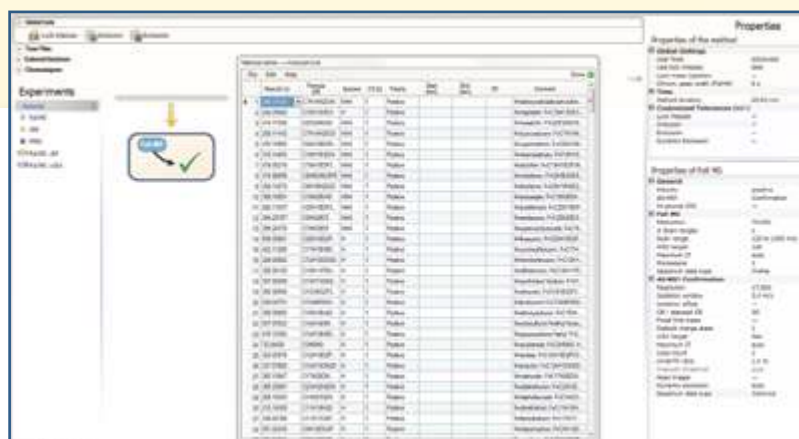
REVIEW AND REPORT

Quantitation Report - 2									
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401	402	403	404	405	406	407	408	409	410
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421	422	423	424	425	426	427	428	429	430

Customizable reports can easily be exported in MS Excel format for possible LIMS integration.

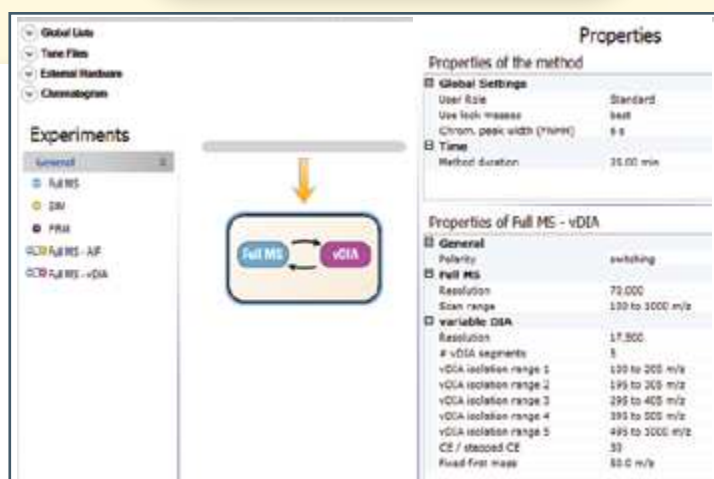
New Analytical Capability Workflows For

The Q Exactive Focus mass spectrometer produces data that can be used for highly sensitive and selective quantitation as well for in-depth screening. Built-in databases designed for food safety and environmental analyses make quantitation, and targeted as well as non-targeted screening from a single data set seamless, with the option to reanalyze data retrospectively at a future date without the need for sample reinjection. Even without using reference standards, TraceFinder software allows the user to perform relative quantitation between multiple samples in their workflow.



With full-scan, targeted data-dependant MS/MS, the analyst enjoys greater flexibility to detect large sets of compounds in a single run.

METHOD SELECTION



With variable data independent acquisition (vDIA), full-scan MS and MS/MS HRAM analysis, no sample-specific method optimization is necessary, and the risk of missing important non-targeted compounds is greatly reduced.

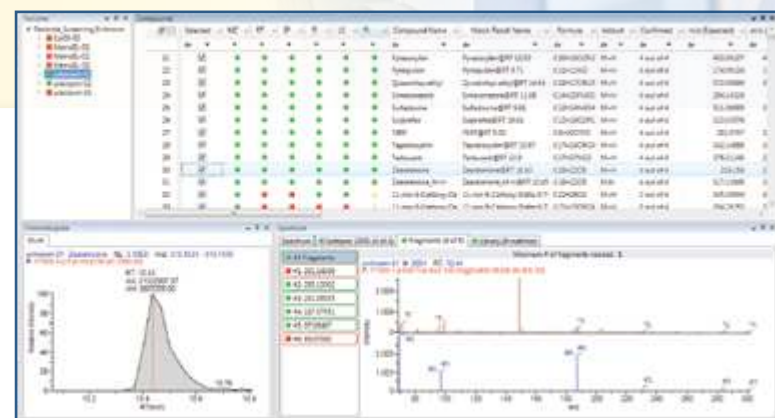


Q Exactive Focus MS and UltiMate 3000 LC System

Non-targeted Screening

Orbitrap HRAM Screening and Quantitation

Built-in databases in TraceFinder software allow the user to perform quantitation.



Sample ID	Sample Name	Sample Type	Yield Fraction	Acquisition Date
1	Sample 1	Sample 1	0.1	2013-11-11 10:10:10
2	Sample 2	Sample 2	0.2	2013-11-11 10:10:10
3	Sample 3	Sample 3	0.3	2013-11-11 10:10:10
4	Sample 4	Sample 4	0.4	2013-11-11 10:10:10
5	Sample 5	Sample 5	0.5	2013-11-11 10:10:10
6	Sample 6	Sample 6	0.6	2013-11-11 10:10:10
7	Sample 7	Sample 7	0.7	2013-11-11 10:10:10
8	Sample 8	Sample 8	0.8	2013-11-11 10:10:10
9	Sample 9	Sample 9	0.9	2013-11-11 10:10:10
10	Sample 10	Sample 10	1.0	2013-11-11 10:10:10

View positive hits during data review; confirmation is easily done using fragmentation, spectra, retention time, and isotope pattern information.

Detailed reports are generated and exported for printing and also customizable for individual customers.

CONFIRM RESULTS

REVIEW AND REPORT



When integrated into the TraceFinder workflow, SIEVE software extracts compound spectra from complex data and performs differential and statistical analysis to determine the compounds that vary significantly within the sample set.



Compound Discoverer software can be used to identify the degradants and metabolites of known target compounds.

Power of HRAM MS/MS Spectral Libraries and Compound Databases

The Thermo Scientific Pesticide Explorer Collection includes the High-Resolution Accurate-Mass MS/MS Spectral Libraries and TraceFinder compound databases. These were designed specifically for targeted screening, quantitation and analysis of non-targeted contaminants in food, environmental, clinical research and forensic toxicology sample matrices. Fully integrated and searchable using TraceFinder software with over 2,600 compounds and more than 15,000 spectra, the HRAM MS/MS Spectral Libraries can be used to screen and identify a variety of known and unknown compounds with speed and confidence. To reduce method development time and increase confidence in compounds detected, the HRAM MS/MS compound database includes retention times that were determined using the same internal standards.

Laboratories using The Pesticide Explorer Collection comprising of either the Orbitrap HRAM Quantitation or Orbitrap HRAM Screening and Quantitation configuration will enjoy the time-savings provided by an “off-the-shelf” database of MS/MS spectra – no need to build your own libraries! To meet specific laboratory requirements, the libraries can be expanded and customized by adding new compounds and spectra.

COMPOUND CLASS	
Food Safety and Environmental	Forensic Toxicology
Emerging Environmental Contaminants	Drugs of Abuse
Pesticides	Natural and Industrial Toxins
Veterinary Drugs	Prescription Drugs
Mycotoxins	Performance Enhancing Drugs
Perfluorinated Compounds (PFCs)	Other Drug Monitoring Research

Table 1. Compound classes provided in the HRAM MS/MS spectral libraries.

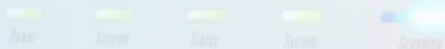
Compound Groupings	Unique Entries	Total Spectra
Environmental and Food Safety	1,634	8,906
Clinical Research and Forensic Toxicology	926	4,630

Table 2. Unique entries and total spectra in the HRAM MS/MS spectral libraries.

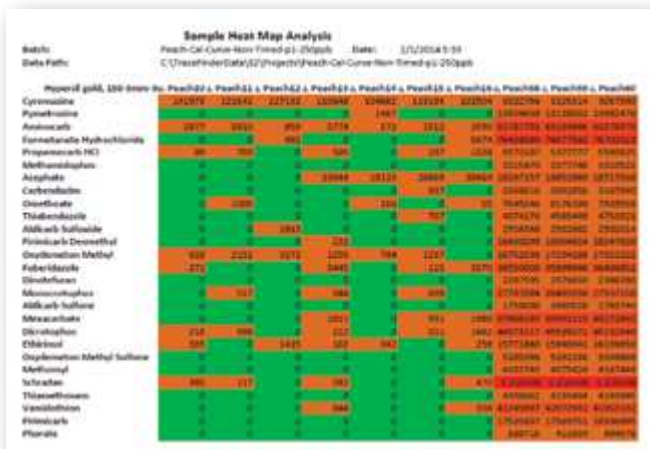


Thermo Scientific m/z Cloud Library assists with unknown identification

The m/z Cloud library is a continuously expanding, highly curated mass spectral fragmentation database that assists in the identification of compounds when they are not in local spectral fragmentation libraries. The library features a freely searchable collection of HRAM spectra that can be accessed using an advanced spectral correlation algorithm.



Comprehensive, High Productivity Reporting



The heat map reporting templates allow for the quick evaluation of the presence of components and their relative abundance across the sample set.

As the identification of pesticide residues becomes increasingly important, so does that ability to review and report results quickly and accurately. In particular, high productivity multi-residue analyses require accurate and robust reporting across multiple regulatory agencies. The TraceFinder software reporting system allows creation and automated generation of quantitative and qualitative reports covering a broad array of pesticide residue analysis methods. The reports can be tailored to meet specific reporting needs.

Powerful Software Empowers Your Pesticide Analyses



TraceFinder software provides an extensive suite of targeted quantitation and screening LC-MS workflows, experiments and reports for environmental and food safety applications as well as protects the integrity of the analytical data.

Further updates on the TraceFinder compound database are offered to registered users at **<https://thermo.flexnetoperations.com>**



SIEVE software enables label-free, semi-quantitative differential analysis of complex LC-MS data sets. Whether your analytes are large or small molecules or whether you are comparing two or hundreds of samples, SIEVE software confidently and reproducibly identifies components with statistically significant inter-sample differences in abundance.



Designed to save time, Compound Discoverer software includes an extensive set of tools to ensure confident compound identification and structural elucidation in pharmaceutical metabolism, impurity analysis, forensic toxicology, and food and environmental applications.

Single Provider Solution Ensures Your Success

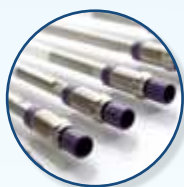
The Pesticide Explorer Collection provides start-to-finish workflows tailored to help food monitoring and testing laboratories reduce startup time and cost. The collection provides compelling productivity and efficiency enhancements for both startup laboratories and laboratories adding new analytical capabilities to address evolving customer and industry demands. Regardless of staff or laboratory expertise, the Pesticide Explorer Collection is designed to make it easier for both new and experienced users to obtain reliable, unambiguous, high-quality LC-MS/MS results. At Thermo Fisher Scientific, we'll match you to the right products - through experienced commercial support combined with the most comprehensive line of instruments, equipment, consumables, chemicals, reagents and software available.



QuEChERS products are a convenient and effective approach for determining pesticide residues in fruit, vegetables and other foods. The extraction and clean-up products are easy to use and enable researchers to determine greater numbers of pesticides than with standard SPE.



Perform the full range of HPLC or nano HPLC applications on one system platform using UltiMate 3000 RSLC systems. For added mobile phase flexibility, the included Thermo Scientific™ Dionex™ Ultimate™ HPG-3400RS Rapid Separation Binary Pump is included, provides true ballistic gradients with excellent retention time precision.



Simplify and improve your analytical results with Thermo Scientific™ HPLC columns. Available in particle sizes and column designs to meet all separation needs, they improve resolution, enhance sensitivity, and deliver faster analysis and consistent performance.



Meet today's challenges with us to safeguard the global food supply. Triple quadrupole MS delivers SRM sensitivity and speed to detect targeted compounds more quickly and HRAM solutions using Thermo Scientific™ Orbitrap™ MS enables screening with accurate quantitation of hundreds of contaminants.



Screening, identification, and quantification of food and environmental contaminants are faster and more confident with High-Resolution Accurate-Mass MS/MS Spectral Libraries. The libraries provide high-resolution, accurate-mass (HRAM) MS/MS spectra for identification, confirmation, and quantification of thousands of compounds.

www.thermofisher.com/Pesticides-LCMS

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