

CideLite Broad Spectrum Pesticide Screen for Multiple Matrices

Charm® CideLite detects all organophosphate and N-methylcarbamate insecticides and their active metabolites with a single 15 minute test.

Rapid Sample Preparation

- ▶ Simple extraction for most matrices
- ▶ No extraction for water or milk
- ▶ No purification step

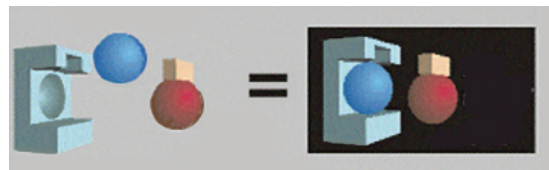
Positive Standard included
 Digital results - No color guessing
 Tablet reagents remain stable up to a year.

MATRICES

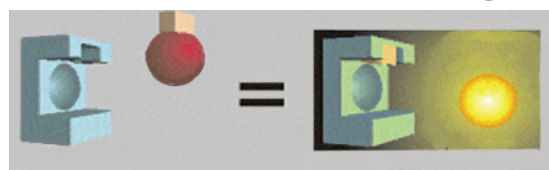
- ▶ Feeds and Grains
- ▶ Pome Fruits—Apples, Pears...
- ▶ Stone Fruits—Cherries, Peaches, Plums...
- ▶ Small Fruits and Berries
- ▶ Citrus—Oranges, Grapefruits...
- ▶ Tropical Fruits—Bananas, Kiwi...
- ▶ Roots and Tubers—Potatoes, Carrots...
- ▶ Leafy Vegetables—Lettuce, Spinach...
- ▶ Brassica Vegetables—Broccoli, Cauliflower...
- ▶ Dairy Products—Milk, Yogurt...
- ▶ Meat—Beef, Pork, Chicken...

Charm CideLite Test Reaction

Positive



Negative



Partial list of Detection Levels for Insecticides and Metabolites in Water

Pesticide	Commercial Standards Detection Level (ppb)	Oxidized Metabolites Detection Level (ppb)
Organophosphates and metabolites family		
Azinphosmethyl		0.2
Carbophenothion	2	0.3
Chlorfenvinphos	0.5	
Chlorpyrifos		0.3
Coumaphos	50	0.1
Crotoxyphos	0.25	
Crufomate	4	
Diazinon	2.5	
Dichlorvos (DDVP)	0.25	
Dimethoate		12.5
Disulfoton		3.5
EPN		0.1
Ethion	2.5	0.6
Ethoprop/Ethoprophos	5	
Fenamiphos	7	
Fensulfothion	75	0.2
Fenthion	50	6.25
Fenitrothion	20	0.1
Fonofos	75	0.1
Leptophos		0.2
Malathion		10
Methidathion		0.6

Pesticide	Commercial Standards Detection Level (ppb)	Oxidized Metabolites Detection Level (ppb)
Methyl parathion		0.1
Mevinphos	0.1	
Monocrotophos	50	
Naled	0.2	
Parathion	20	0.1
Phorate		0.6
Phosalone	60	0.1
Phosphamidon	20	
Phosmet		2
Primiphosmethyl	50	0.15
Profenofos	0.5	
Tetrachlorvinphos	0.3	
Triazophos		0.1
Trichlorfon	1	
N-methylcarbamates Family		
Aldicarb	2000	
Carbaryl	0.5	
Carbofuran	5	
Isoprocarb	2.5	
Methiocarb	0.3	
Oxamyl	50	
Propoxur	11	

EQUIPMENT

This test works in conjunction with a Charm luminometer and incubator.

Please reference the test Operator’s Manual for list of required equipment and accessories.

