

Charm® II Antibiotic Analysis for Honey



Charm II 6600 Analyzer

FAMILIES DETECTED

- › Aminoglycosides
- › Amphenicols/ Chloramphenicol
- › Beta-lactams
- › Macrolides (Tylosin)
- › Sulfonamides
- › Tetracyclines

SAMPLE SIZE

5 g / 10 g / 20 g

SAMPLE PREPARATION

Minimal sample preparation needed. Simple dilution of honey with supplied extraction buffer. For some drugs, solid-phase extraction is required.

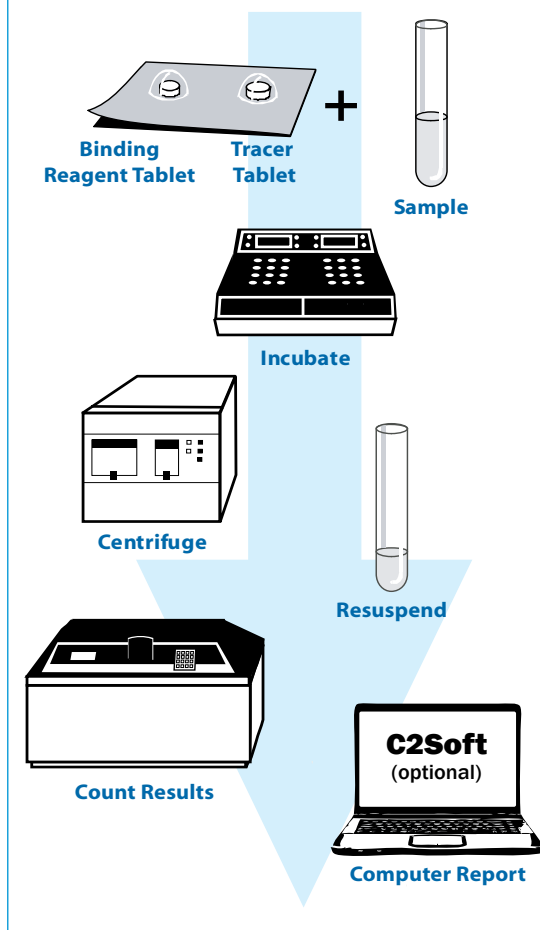
ASSAY TIME

Approximately 10 minutes, depending on the number of samples.

CAPACITY

6 to 12 samples in assay, depending on drug family.

PROCEDURAL FLOWCHART



SAMPLE PRINTOUT

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Date = 08/23/14
Time = 14:28:12
Operator = 1
Time Counted = 60
Sample I.D. = 1258

Assay = Chloramphenicol
Lot# = ATBL 005
Control Point = 1190
Sample (CPM) = 1450
Interpretation = Not Found
  
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Charm II Antibiotic Analysis for Honey

Charm II KIT	Drug	Test Sensitivity ¹ (ppb)
Aminoglycosides (STIIHH)	Streptomycin	5
	Dihydrostreptomycin	10
Amphenicols (CIIHH)	Chloramphenicol	10
	Florfenicol	UD
	Thiamphenicol	UD
Beta-lactams (PIIH)	Penicillin-G	12.5
	Amoxicillin	25
	Ampicillin	25
	Cephapirin	10
	Ceftiofur	25
	Cloxacillin	100
	Oxacillin	80
	Dicloxacillin	80
Chloramphenicol (ATBLIIHH)	Chloramphenicol	0.3
Macrolides (MIIH)	Erythromycin	10 - 15
	Spiramycin	15 - 20
	Pirlimycin	30 - 40
	Tilmicosin	20 - 30
	Lincomycin	20 - 30
	Tylosin	15 - 20
Sulfonamides (SMIIHH)	Sulfamethazine	10
	Sulfadimethoxine	5
	Sulfamerazine	20
	Sulfathiazole	20
	Sulfachlorpyridazine	10
	Sulfamethoxypyridine	5
	Sulfapyridine	15
	Sulfisoxazole	20
	Sulfamethoxazole	20
	Dapsone	5
	Sulfadoxine	20
Sulfapyridazine	10	
Tetracyclines (TETH)	Tetracycline	15
	Chlortetracycline	10
	Oxytetracycline	20

¹ Exceeds 90% positive at a 95% confidence limit
UD=Undetermined

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NOTHING WORKS LIKE A CHARM