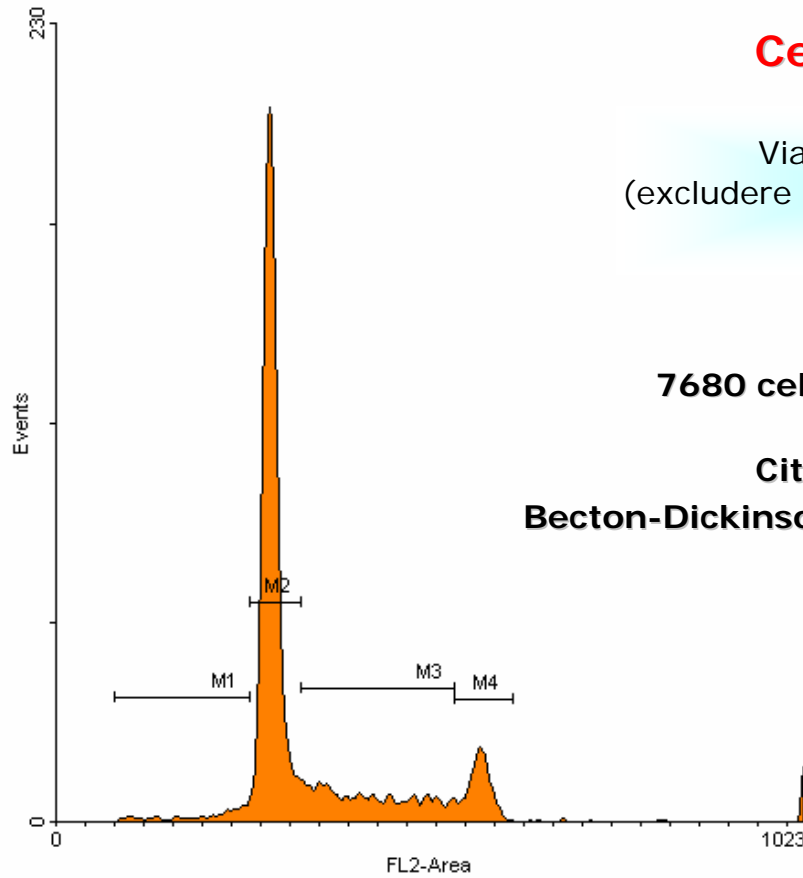


Analiza ciclului celular



Celule Jurkat control

Viabilitate estimata
(excludere albastru tripan):
98,10%

7680 celule individuale
analizate

Citometru in flux:
Becton-Dickinson Facs-Calibur

Softver:
CellQuest
WinMDI v.2.8

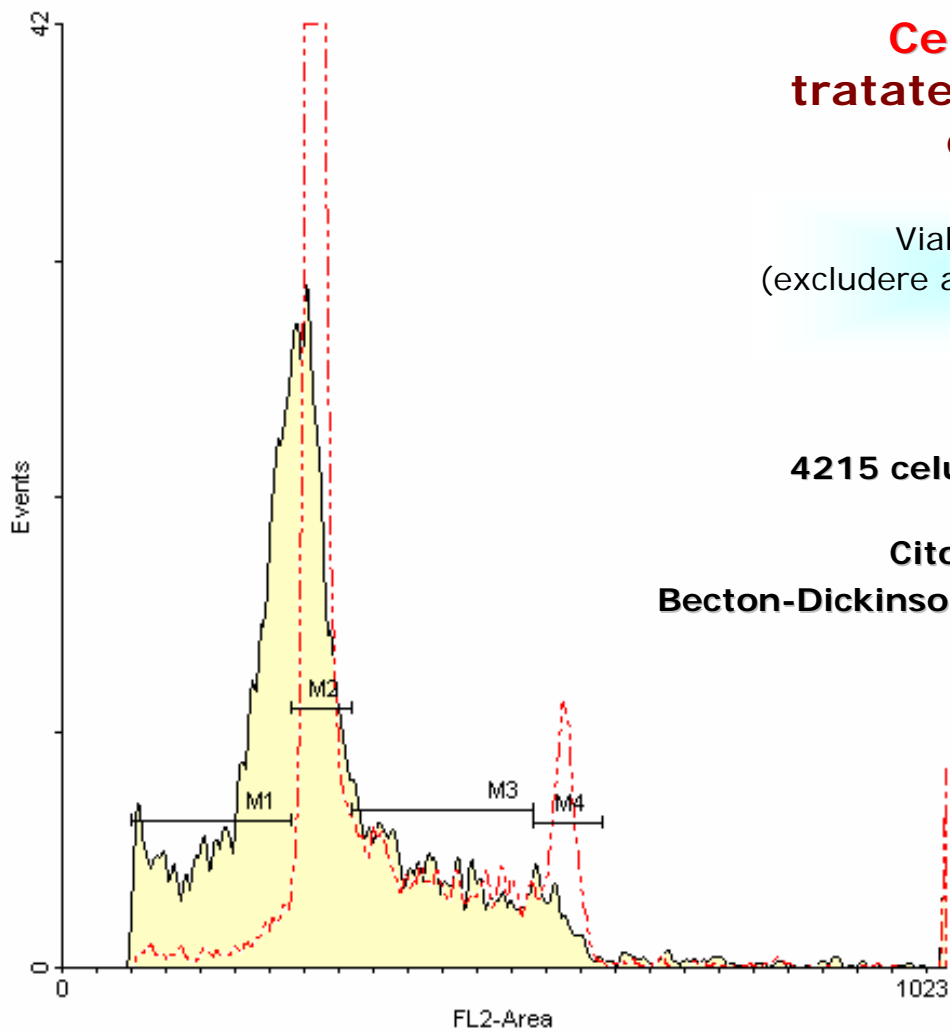
Etape ale ciclului celular / populatii de celule	SubG1 Celule apoptotice	G0/G1	S	G2/M
Ponderea (%)	4.47	63.06	20.91	9.88

**Celule Jurkat
tratate cu 100µM
quercetina
24h**

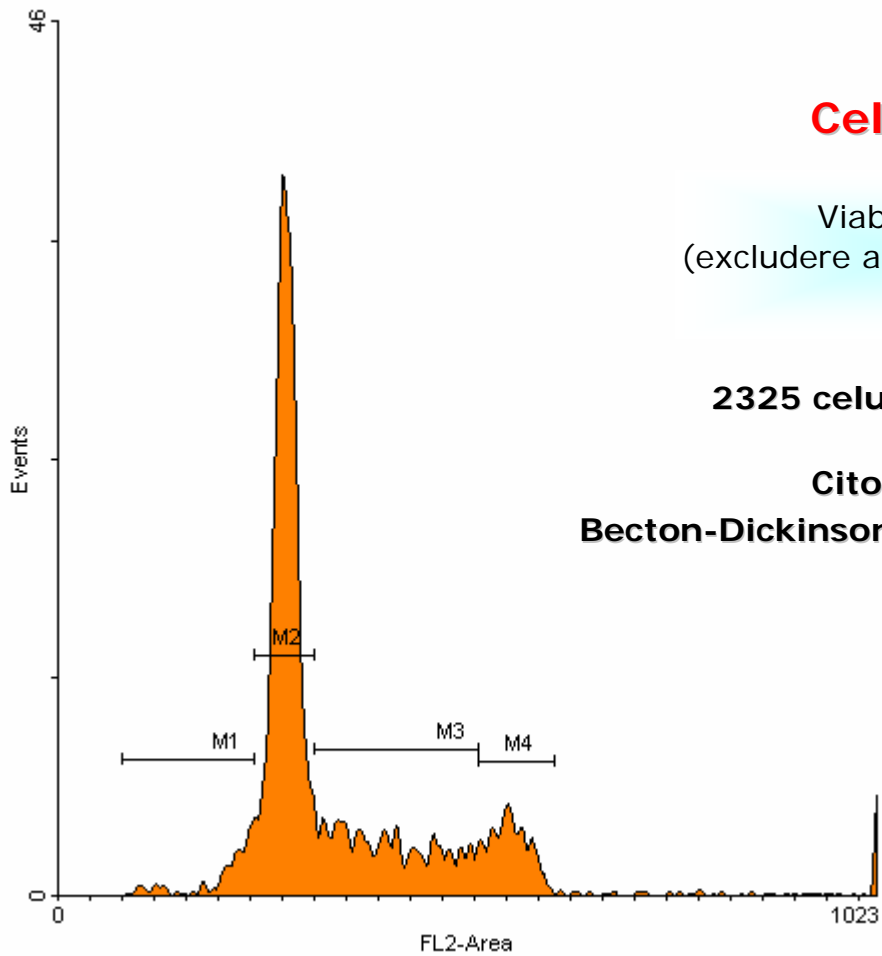
Viabilitate estimata
(excludere albastru tripan):
97,58%

4215 celule individuale
analizate

Citometru in flux:
Becton-Dickinson Facs-Calibur
Softver:
CellQuest
WinMDI v.2.8



Etape ale cicului celular / populatii de celule	Pondere (%)			
	SubG1 Celule apoptotice	G0/G1	S	G2/M
Celule tratate cu 100µM quercetina 24h	38.74	33.48	21.80	4.13
Control	4.47	63.06	20.91	9.88



Celule Jurkat
control

Viabilitate estimata
(excludere albastru tripan):
94,92%

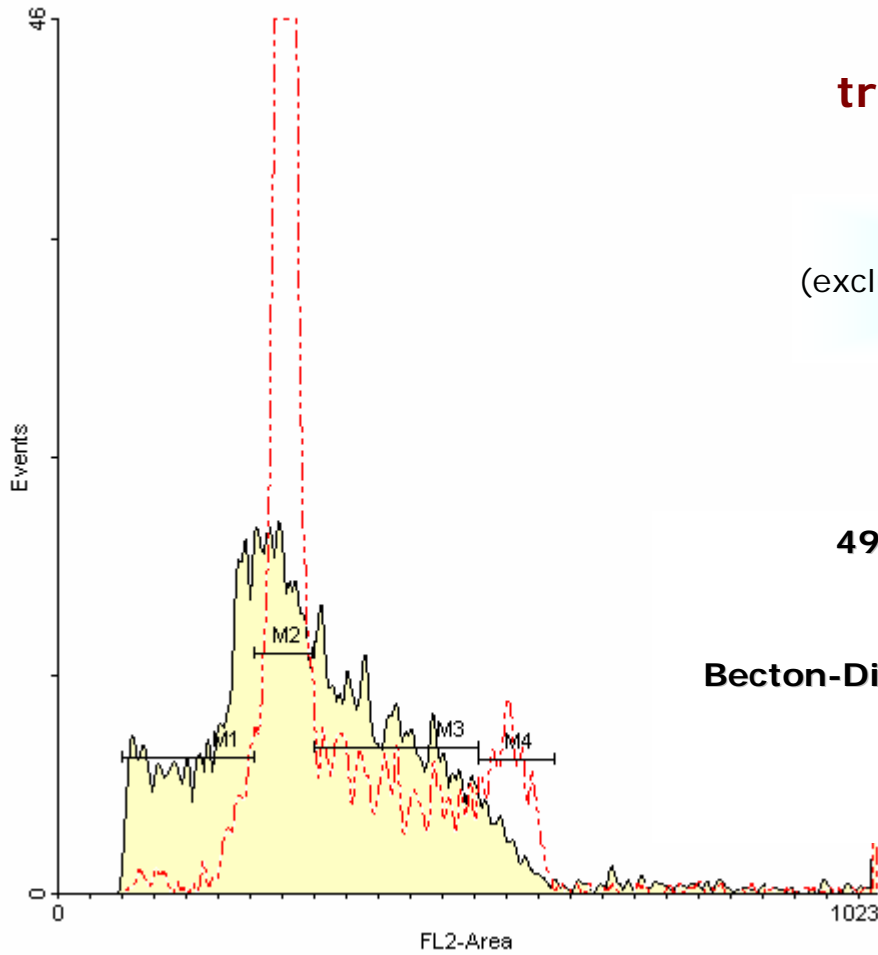
2325 celule individuale
analizate

Citometru in flux:
Becton-Dickinson Facs-Calibur
Softver:
CellQuest
WinMDI v.2.8

Etape ale ciclului celular / populatii de celule	SubG1 Celule apoptotice	G0/G1	S	G2/M
Ponderea (%)	5.68	56.00	24.56	11.53

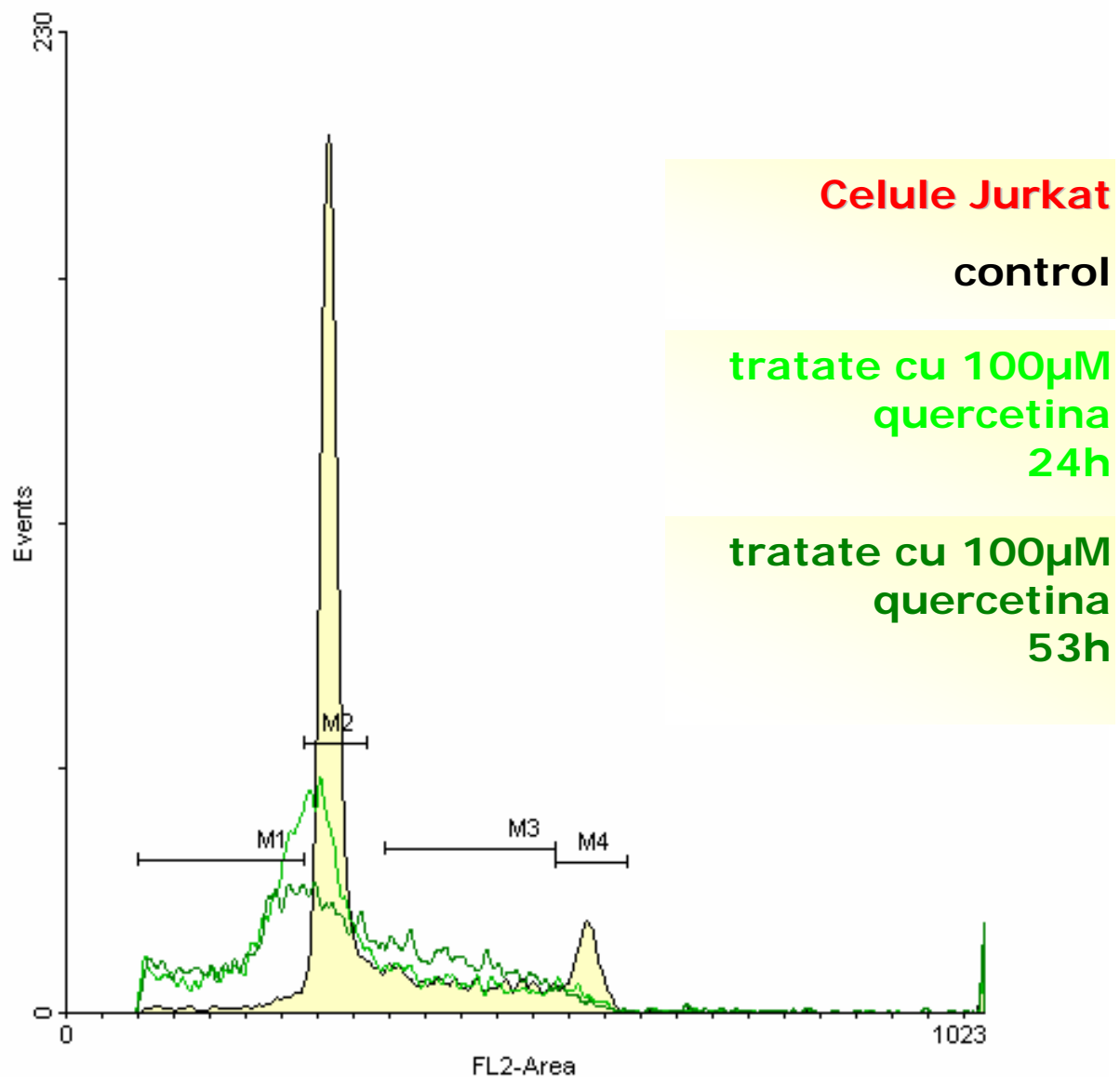
**Celule Jurkat
tratate cu 100µM
quercetina
53h**

Viabilitate estimata
(excludere albastru tripan):
59,09%



4935 celule individuale
analizate
Citometru in flux:
Becton-Dickinson Facs-Calibur
Softver:
CellQuest
WinMDI v.2.8

Etapе ale ciclului celular / populatii de celule	Ponderea (%)			
	SubG1 Celule apoptotice	G0/G1	S	G2/M
Celule tratate cu 100µM quercetina 53h	28.51	26.14	37.24	4.92
Control	5.68	56.00	24.56	11.53



100µM quercetina

- blocheaza ciclul celular al celulelor T leucemice (Jurkat) in etapa S
- induce apoptoza