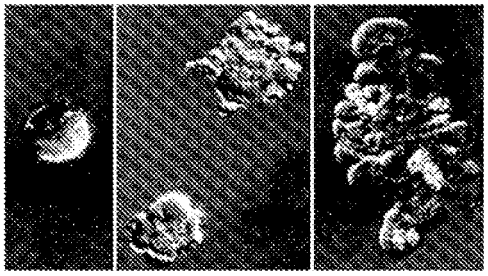


FIG. 1
(PRIOR ART)

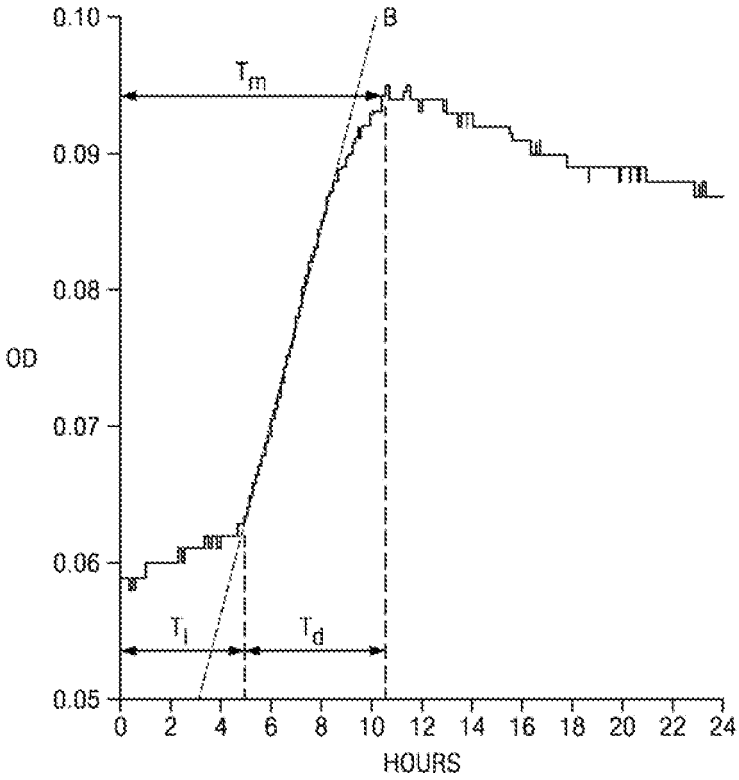


FIG. 2
(PRIOR ART)

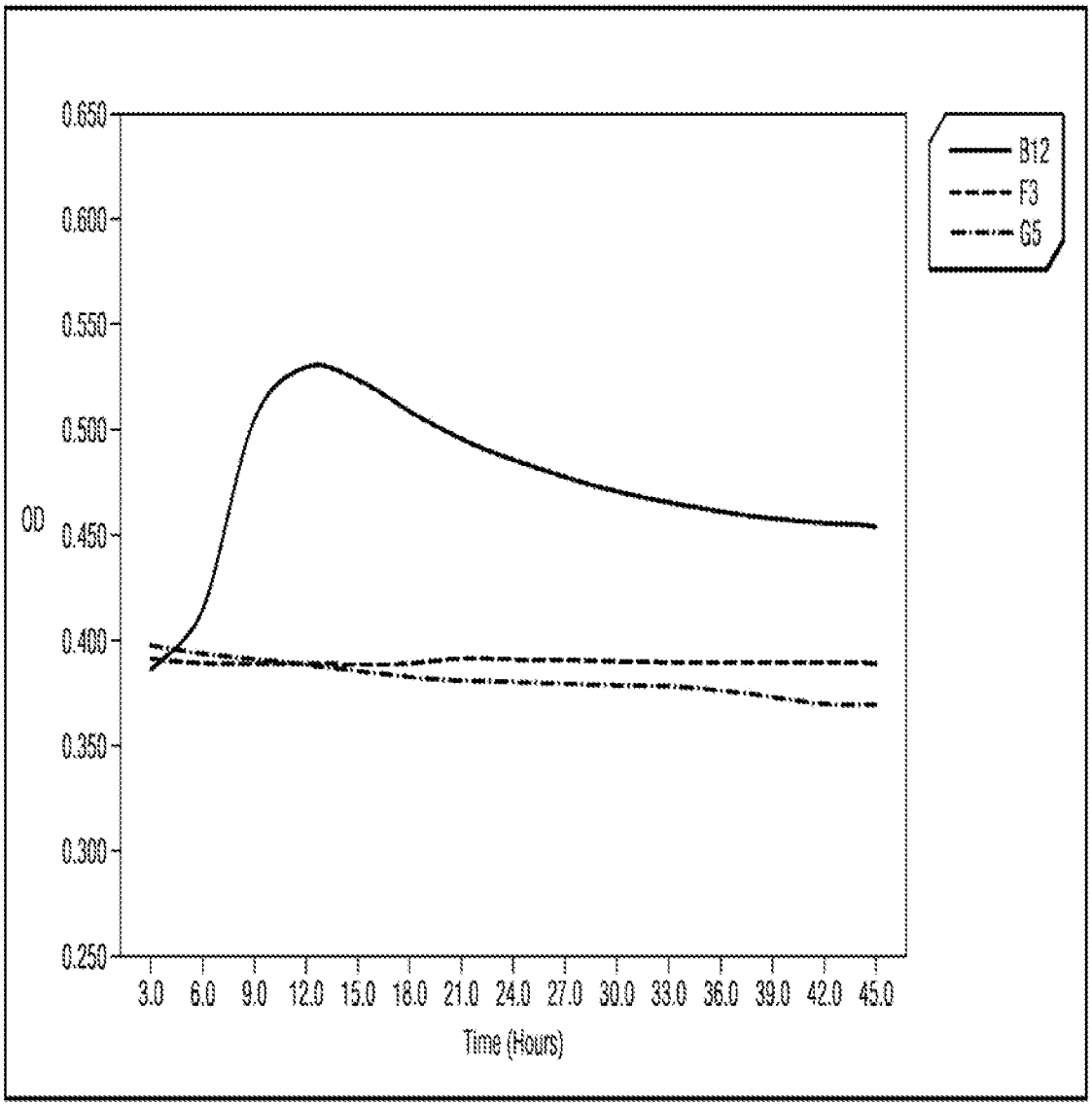

0.650
0.600
0.550
0.500
0.450
0.400
0.350
0.300
0.250
OD
3.0 6.0 9.0 12.0 15.0 18.0 21.0 24.0 27.0 30.0 33.0 36.0 39.0 42.0 45.0
Time (Hours)
B12
F3
G5

FIG. 3

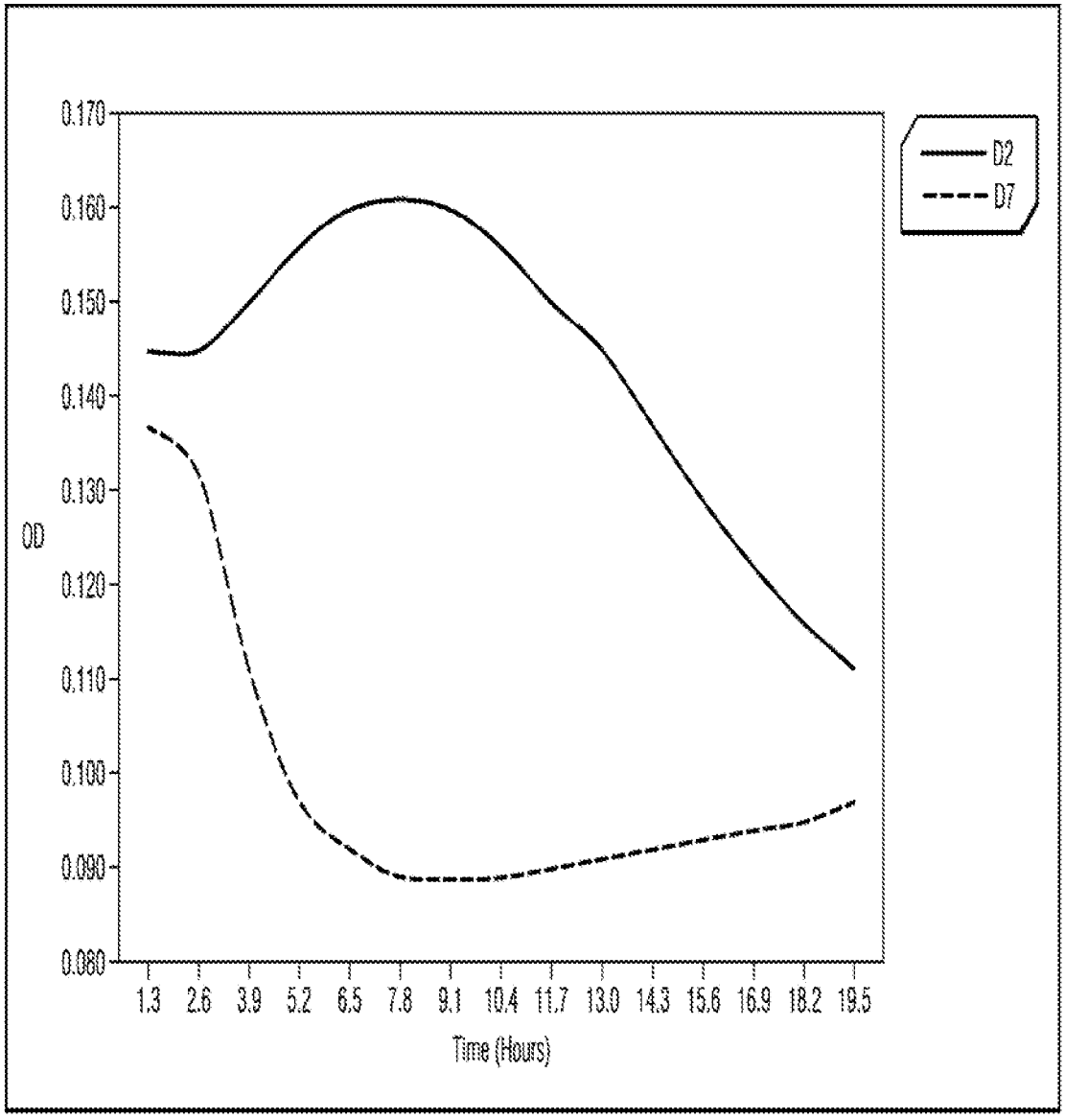

0.170
0.160
0.150
0.140
0.130
0.120
0.110
0.100
0.090
0.080
OD
1.3
2.6
3.9
5.2
6.5
7.8
9.1
10.4
11.7
13.0
14.3
15.6
16.9
18.2
19.5
Time (Hours)
D2
D7

FIG. 4

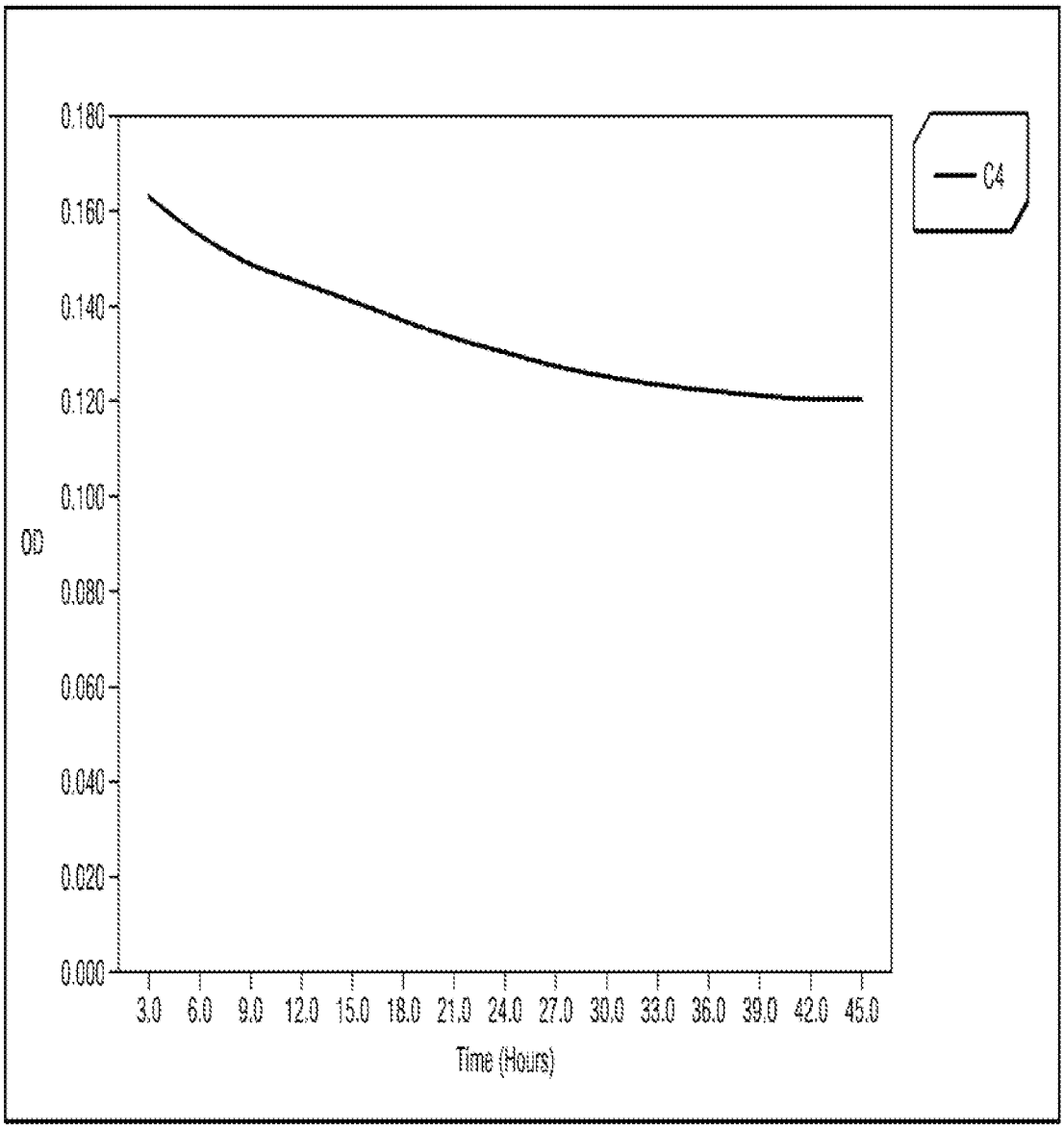

0.180
0.160
0.140
0.120
0.100
0.080
0.060
0.040
0.020
0.000
OD
3.0 6.0 9.0 12.0 15.0 18.0 21.0 24.0 27.0 30.0 33.0 36.0 39.0 42.0 45.0
Time (Hours)
C4

FIG. 5

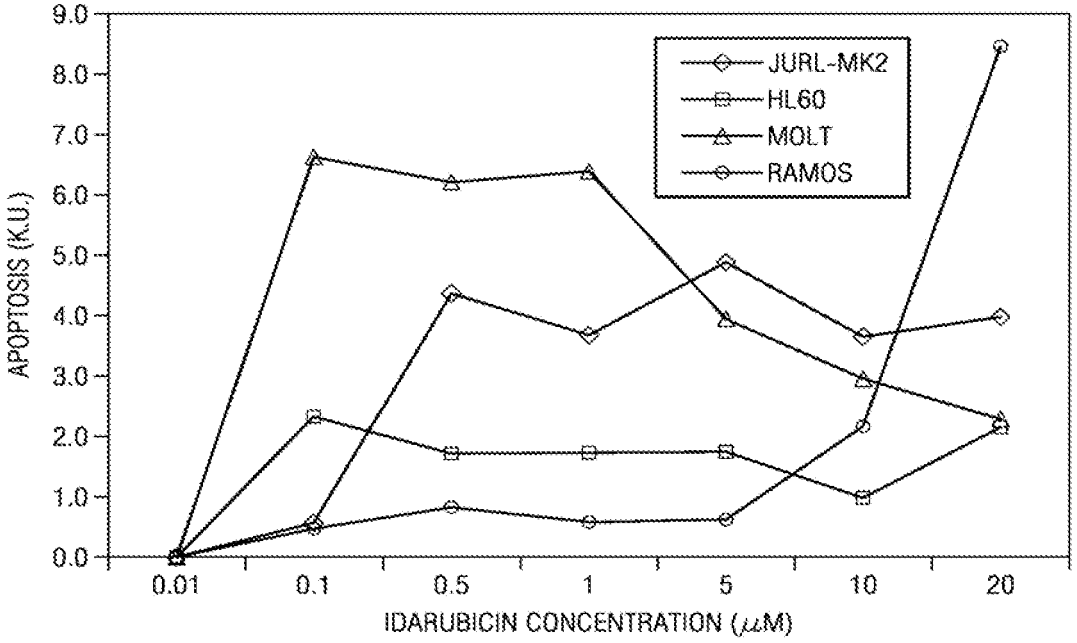

9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
APOPTOSIS (K.U.)
JURL-MK2
HL60
MOLT
RAMOS
0.01
0.1
0.5
1
5
10
20
IDARUBICIN CONCENTRATION (μM)

FIG. 6

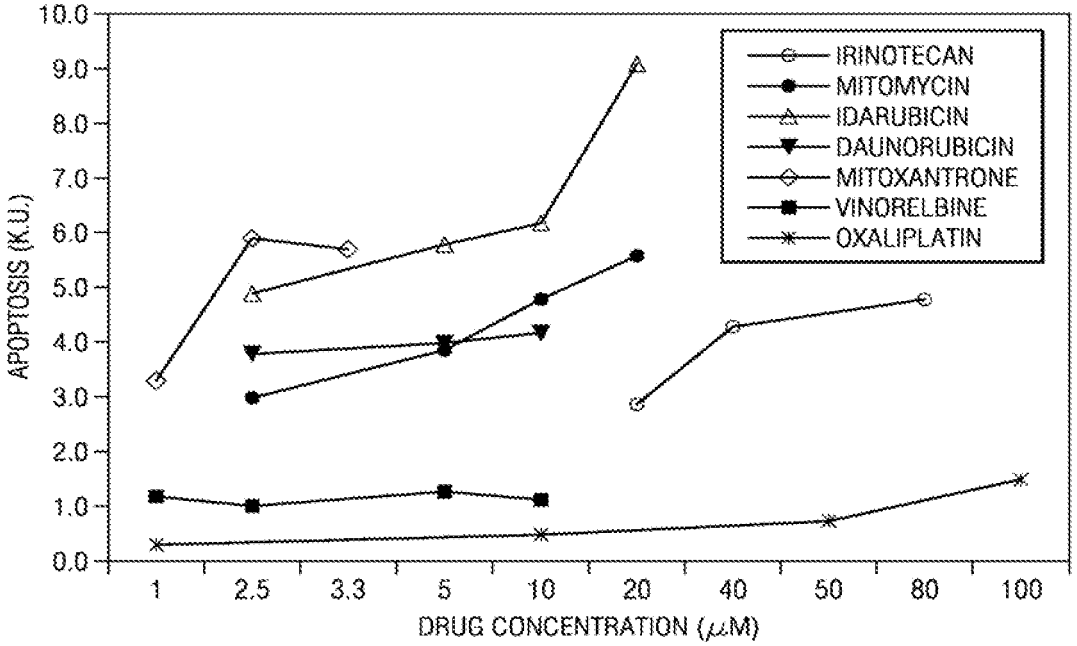

10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
APOPTOSIS (K.U.)
IRINOTECAN
MITOMYCIN
IDARUBICIN
DAUNORUBICIN
MITOXANTRONE
VINORELBINE
OXALIPLATIN
1
2.5
3.3
5
10
20
40
50
80
100
DRUG CONCENTRATION (μM)

FIG. 7

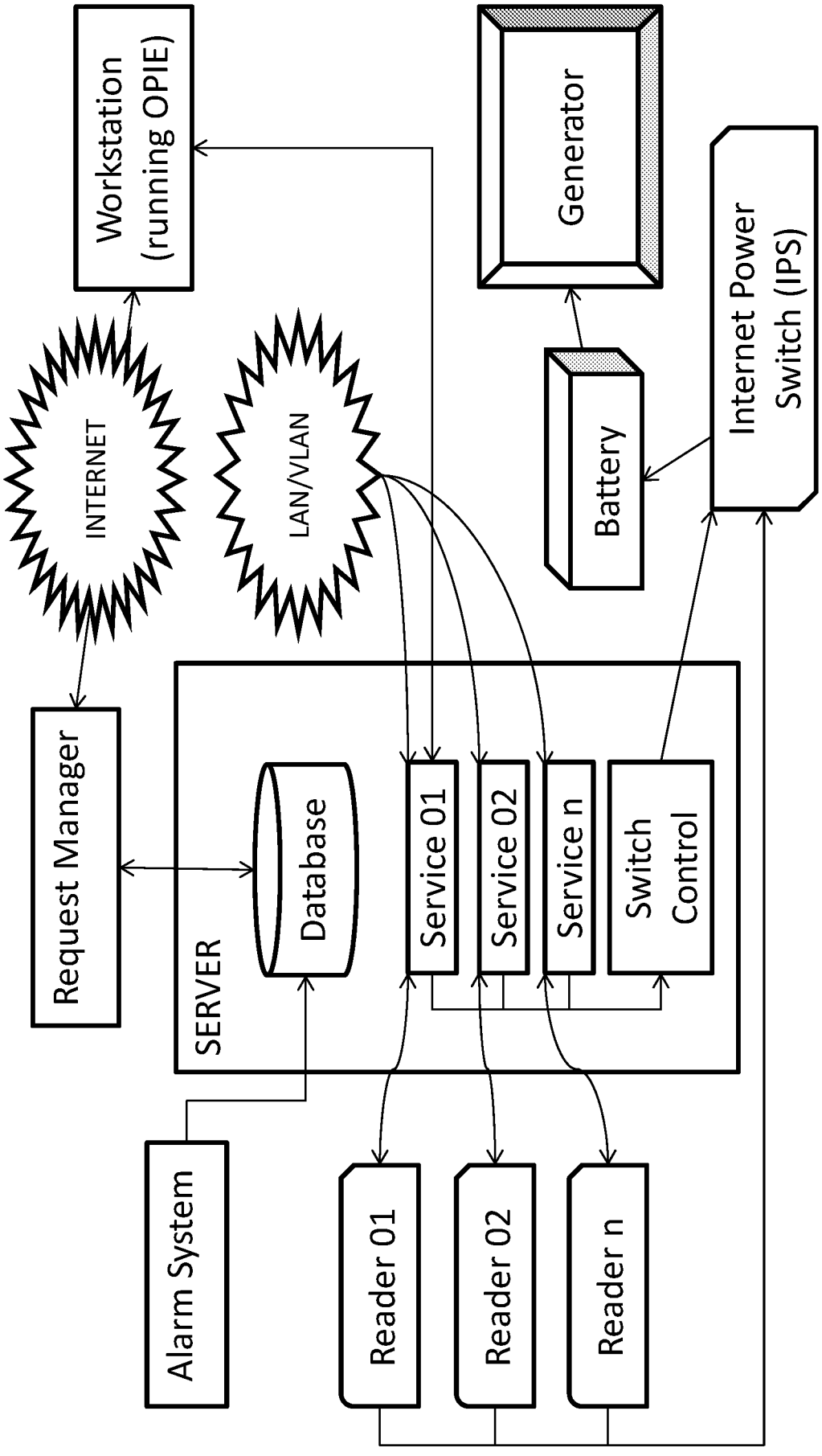

Workstation (running OPIE)
Generator
Internet Power Switch (IPS)
INTERNET
LAN/VLAN
Battery
Request Manager
SERVER
Database
Service 01
Service 02
Service n
Switch Control
Alarm System
Reader 01
Reader 02
Reader n

FIG. 8

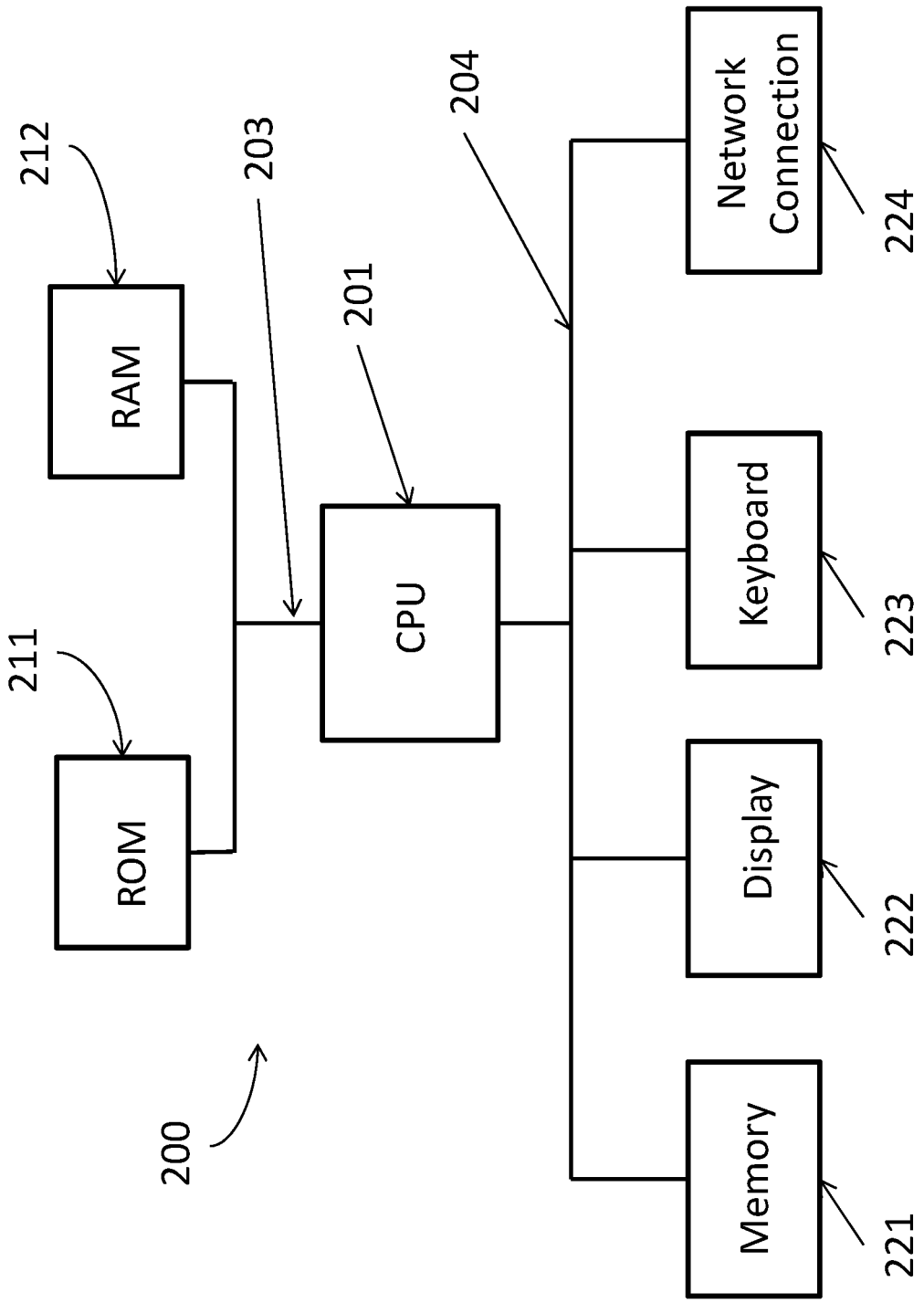

212
203
204
Network Connection
224
RAM
201
211
CPU
Keyboard
223
ROM
Display
222
200
Memory
221

FIG. 9

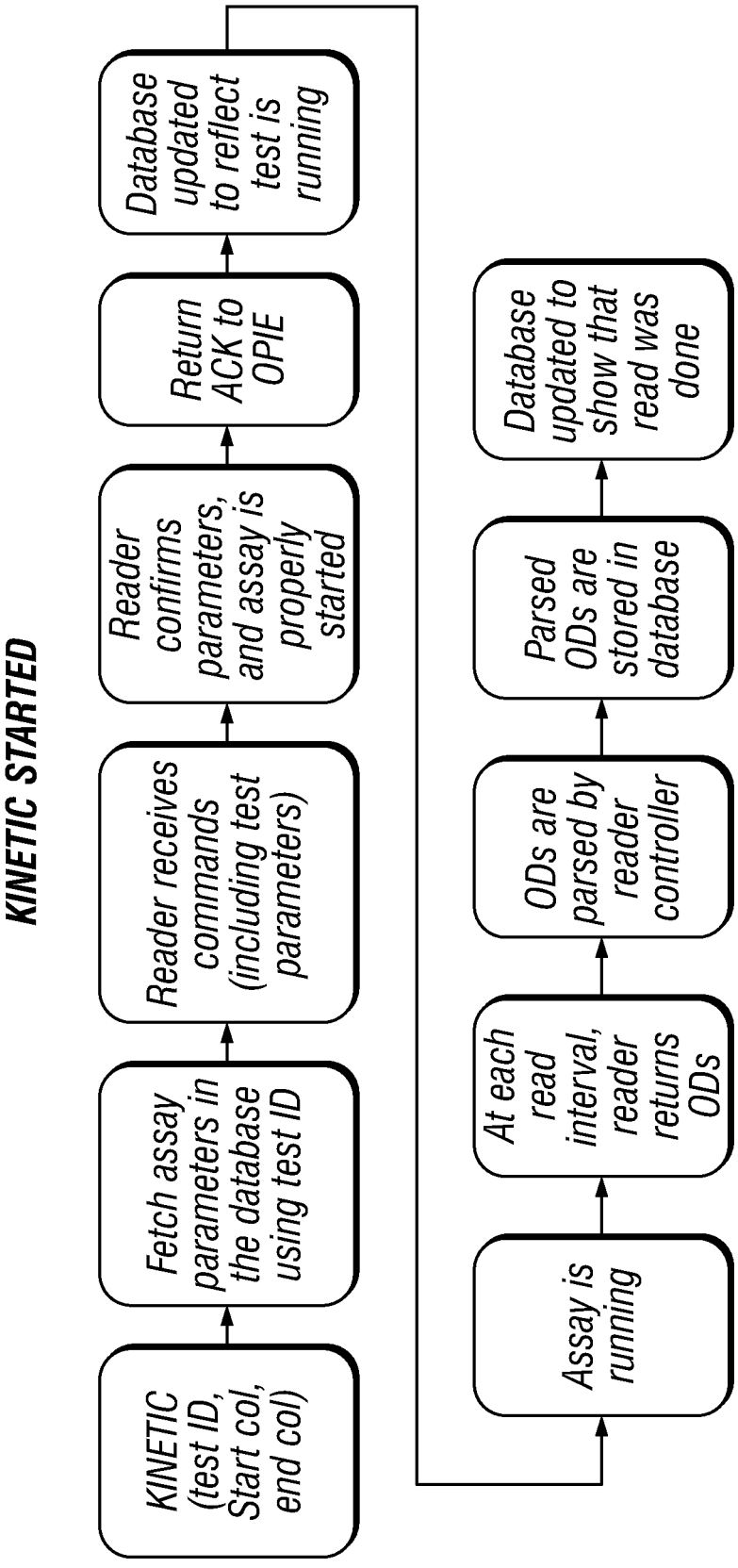

KINETIC STARTED
KINETIC (test ID, Start col, end col)
Fetch assay parameters in the database using test ID
Reader receives commands (including test parameters)
Reader confirms parameters, and assay is properly started
Return ACK to OPIE
Database updated to reflect test is running
Assay is running
At each read interval, reader returns ODs
ODs are parsed by reader controller
Parsed ODs are stored in database
Database updated to show that read was done

FIG. 10A

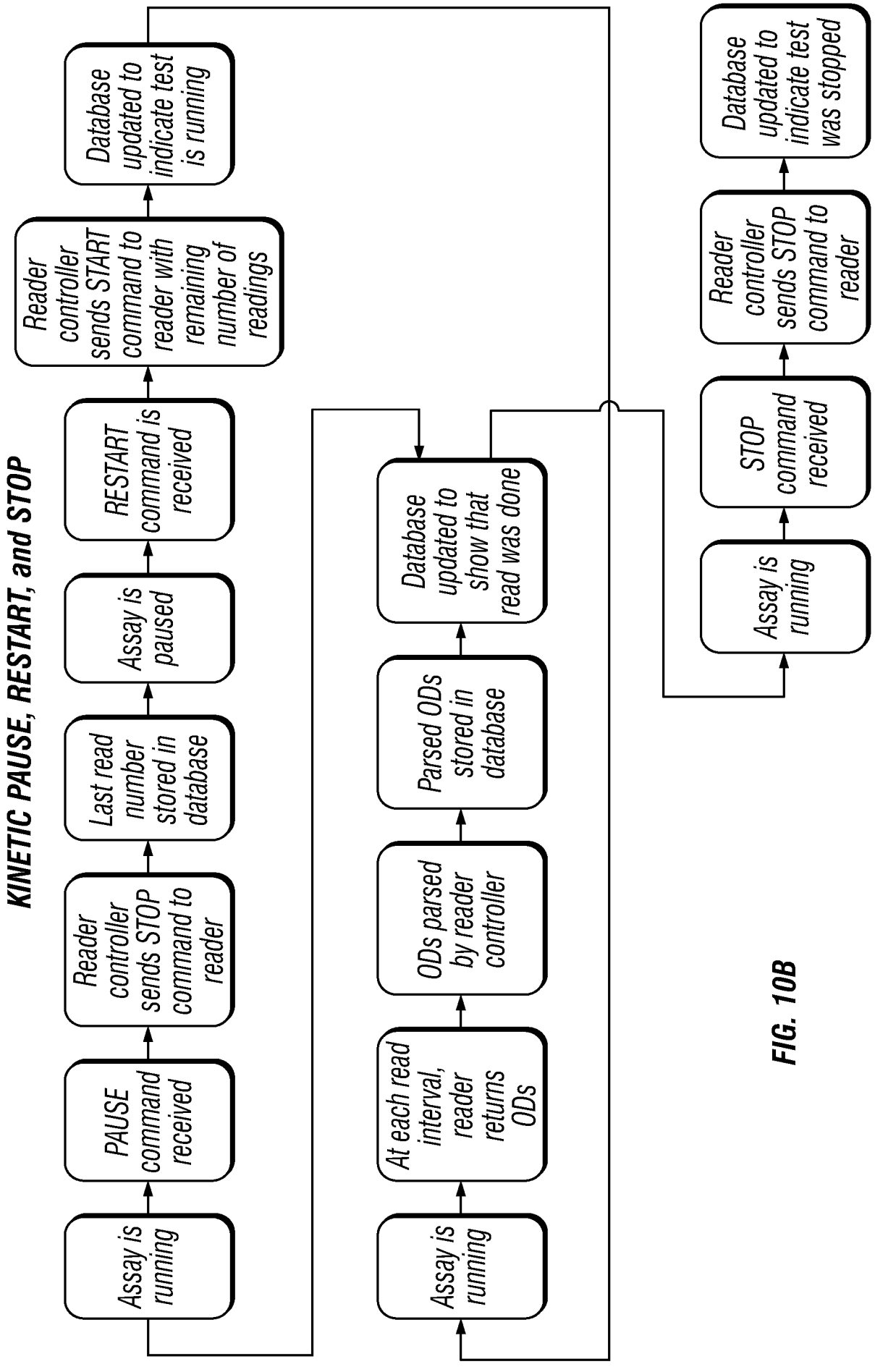

KINETIC PAUSE, RESTART, and STOP
Assay is running
PAUSE command received
Reader controller sends STOP command to reader
Last read number stored in database
Assay is paused
RESTART command is received
Reader controller sends START command to reader with remaining number of readings
Database updated to indicate test is running
Assay is running
At each read interval, reader returns ODs
ODs parsed by reader controller
Parsed ODs stored in database
Database updated to show that read was done
Assay is running
STOP command received
Reader controller sends STOP command to reader
Database updated to indicate test was stopped

FIG. 10B

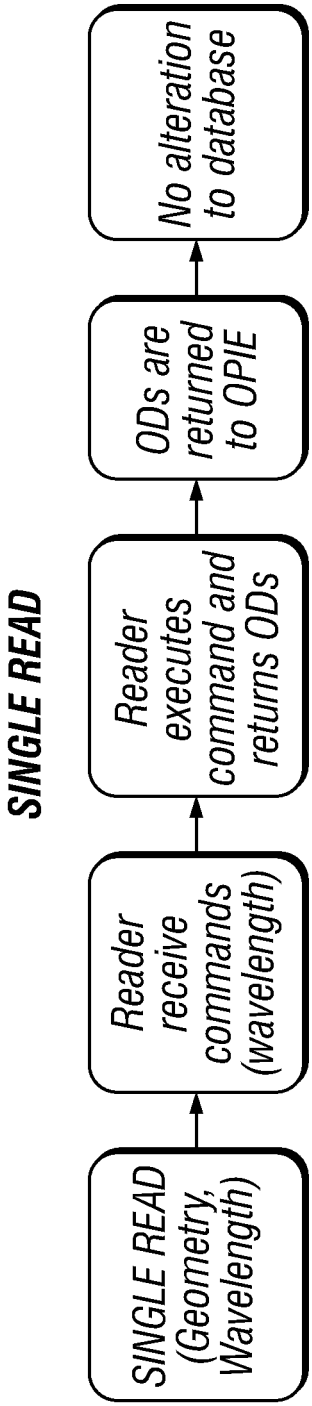

SINGLE READ
SINGLE READ (Geometry, Wavelength)
Reader receive commands (wavelength)
Reader executes command and returns ODs
ODs are returned to OPIE
No alteration to database

FIG. 10C

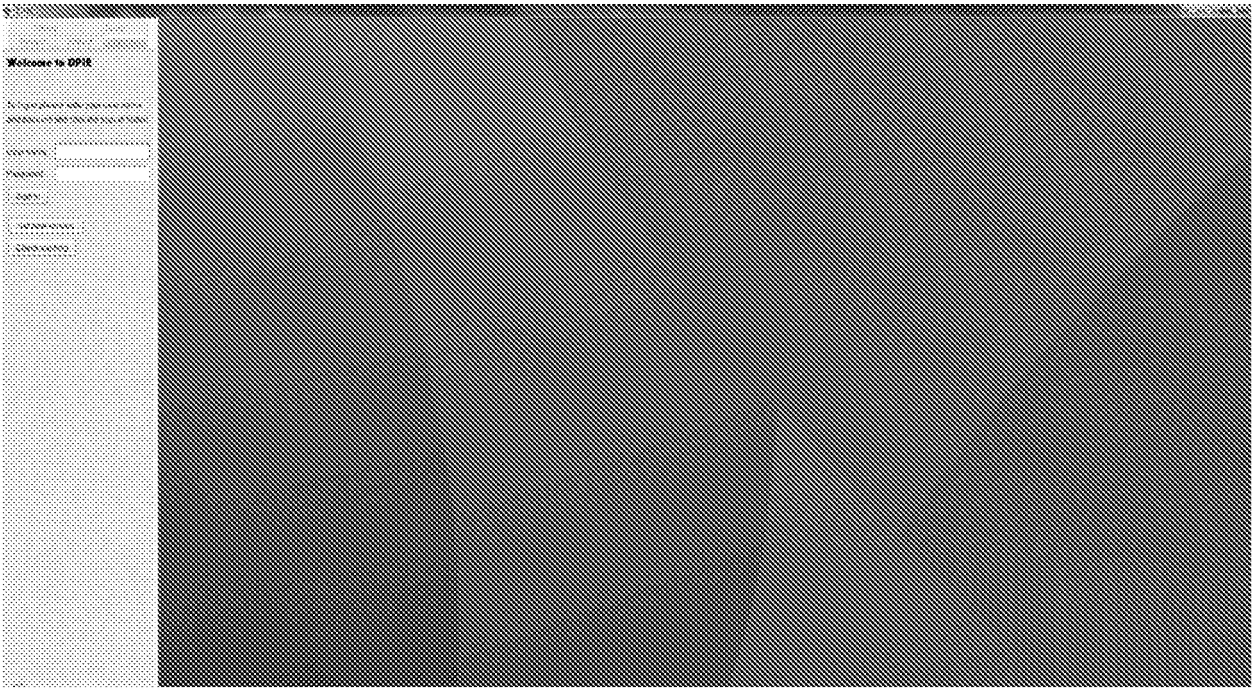


FIG. 11

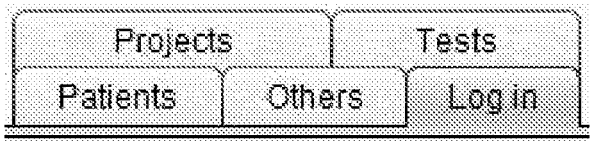


FIG. 12

Patients
Others
Log in
Projects
Tests
Test list
Completed
Incompleted
Prepared
Running
Paused
All
Specimen
Desc
Drug
Last
25
OK
Date
All
Add test
Refresh

FIG. 13

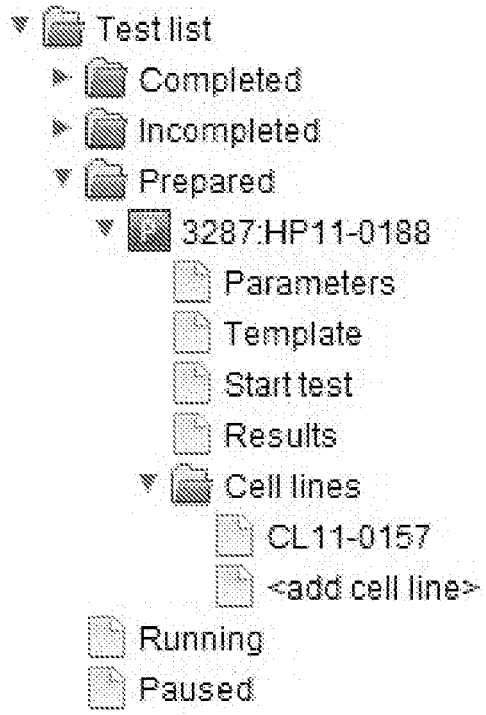

Test list
Completed
Incompleted
Prepared
3287:HP11-0188
Parameters
Template
Start test
Results
Cell lines
CL11-0157
<add cell line>
Running
Paused

FIG. 14

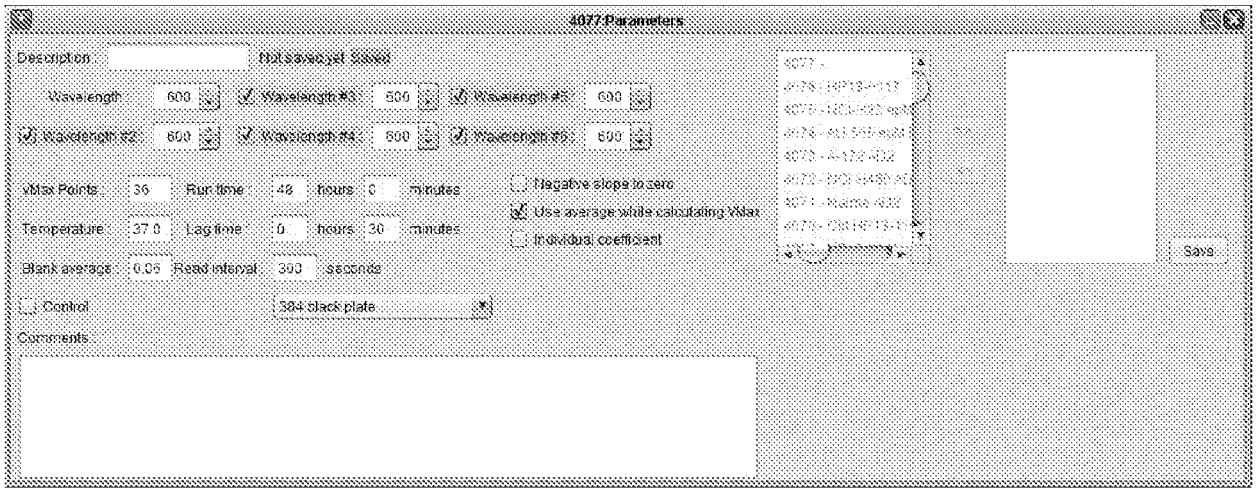

4077:Parameters
Description
Not saved yet Saved
Wavelength
600
Wavelength #3:
600
Wavelength #5:
600
Wavelength #2:
600
Wavelength #4:
600
Wavelength #6:
600
vMax Points:
36
Run time:
48
hours
0
minutes
Negative slope to zero
Use average while calculating Vmax
Individual coefficient
Temperature:
37.0
Lag time:
0
hours
30
minutes
Blank average:
0.05
Read interval:
300
seconds
Control
384 clack plate
Comments:
Save

FIG. 15

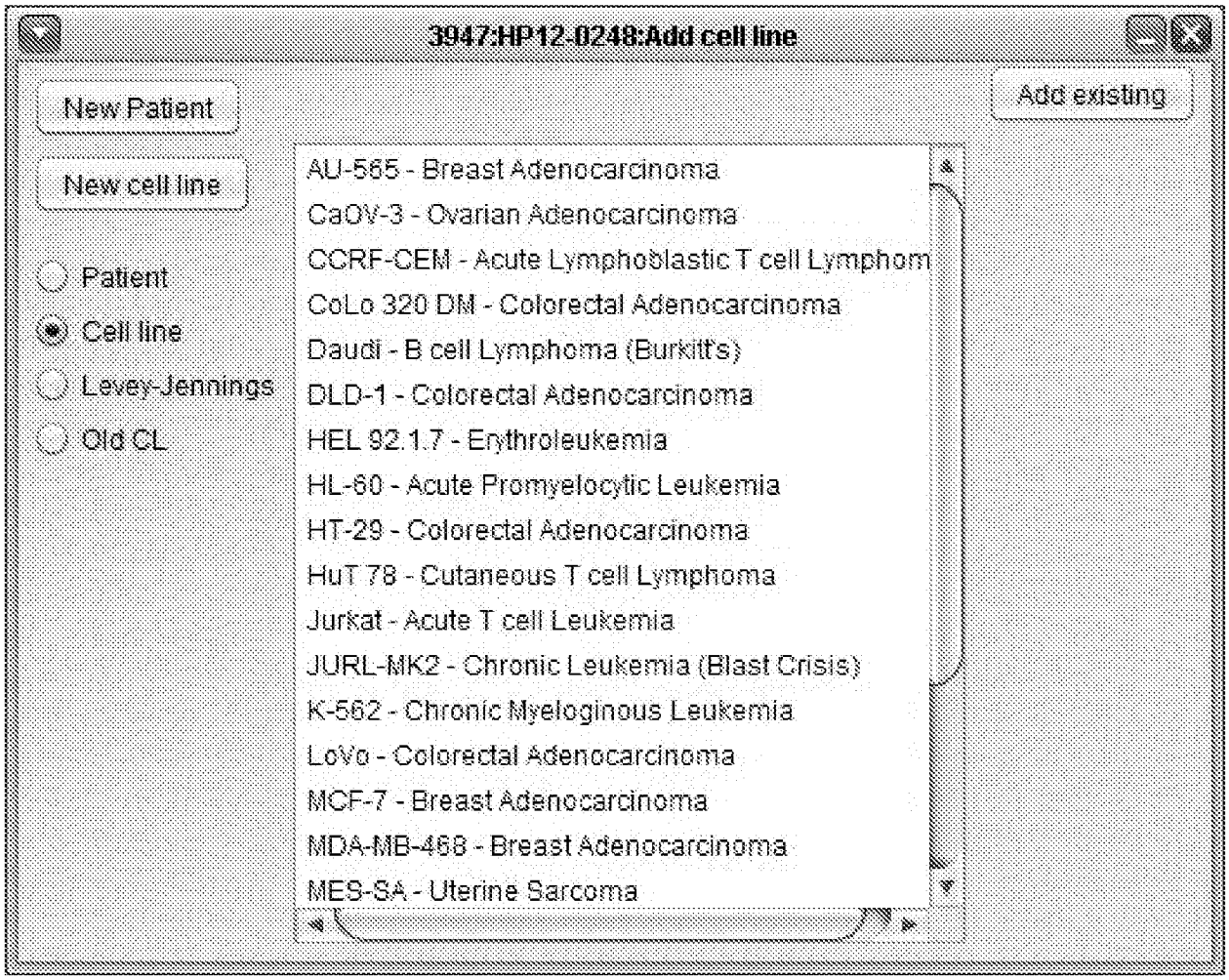

3947:HP12-0248:Add cell line
New Patient
Add existing
New cell line
Patient
Cell line
Levey-Jennings
Old CL
AU-565 - Breast Adenocarcinoma
CaOV-3 - Ovarian Adenocarcinoma
CCRF-CEM - Acute Lymphoblastic T cell Lymphom
CoLo 320 DM - Colorectal Adenocarcinoma
Daudi - B cell Lymphoma (Burkitt's)
DLD-1 - Colorectal Adenocarcinoma
HEL 92.1.7 - Erythroleukemia
HL-60 - Acute Promyelocytic Leukemia
HT-29 - Colorectal Adenocarcinoma
HuT 78 - Cutaneous T cell Lymphoma
Jurkat - Acute T cell Leukemia
JURL-MK2 - Chronic Leukemia (Blast Crisis)
K-562 - Chronic Myeloginous Leukemia
LoVo - Colorectal Adenocarcinoma
MCF-7 - Breast Adenocarcinoma
MDA-MB-468 - Breast Adenocarcinoma
MES-SA - Uterine Sarcoma

FIG. 16

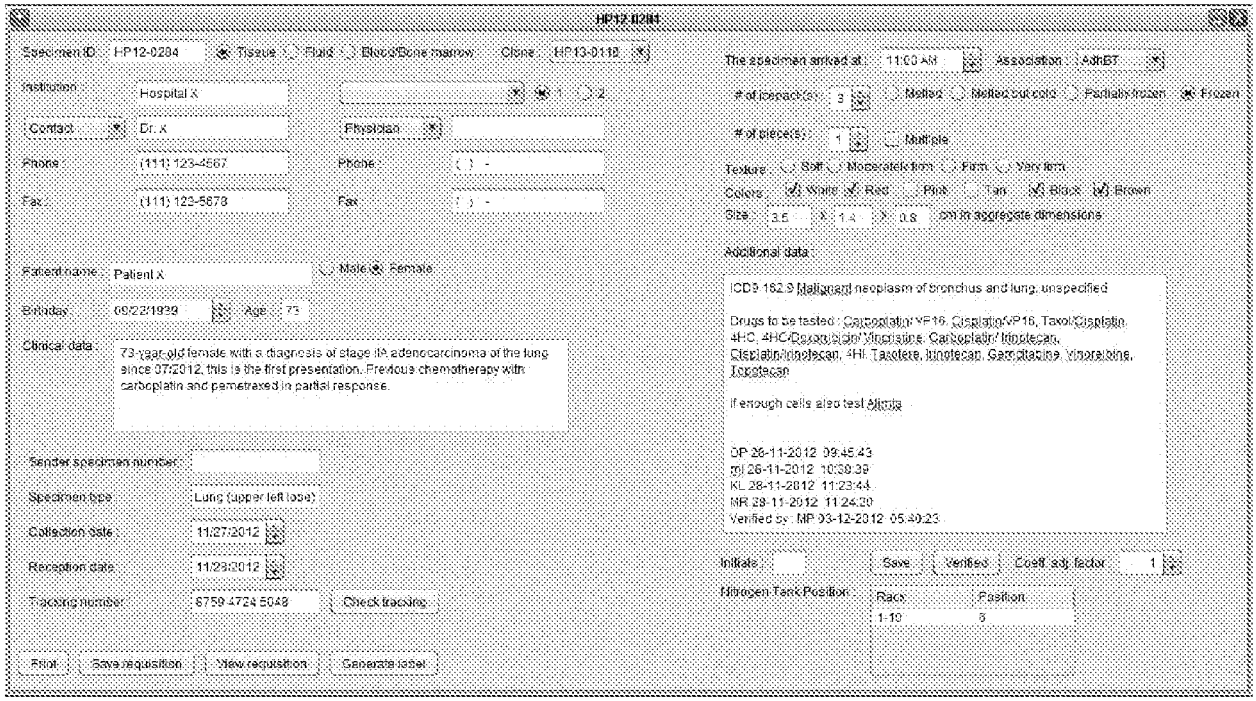

HP12-0284
Specimen ID: HP12-0284
Tissue
Fluid
Blood/Bone marrow
Clone: HP13-0118
Institution: Hospital X
Contact: Dr. X
Physician
Phone: (111) 123-4567
Fax: (111) 123-5678
Patient name: Patient X
Male
Female
Birthday: 09/22/1939
Age: 73
Clinical data:
73-year-old female with a diagnosis of stage IIA adenocarcinoma of the lung since 07/2012, this is the first presentation. Previous chemotherapy with carboplatin and pemetrexed in partial response.
Sender specimen number:
Specimen type: Lung (upper left lobe)
Collection date: 11/27/2012
Reception date: 11/29/2012
Tracking number: 6759 4724 5048
Check tracking
Print
Save requisition
View requisition
Generate label
The specimen arrived at: 11:00 AM
Association: AdhBT
# of icepack(s): 3
Melted
Melted cut cols
Partially frozen
Frozen
# of piece(s): 1
Multiple
Texture: Soft
Moderately firm
Firm
Very firm
Colors: White
Red
Pink
Tan
Black
Brown
Size: 3.5 X 1.4 X 0.8 cm in aggregate dimensions
Additional data:
ICD9 162.9 Malignant neoplasm of bronchus and lung, unspecified
Drugs to be tested: Carboplatin/VP16, Cisplatin/VP16, Taxol/Cisplatin, 4HC, 4HC/Carboplatin/Vinorelbine, Carboplatin/Irinotecan, Cisplatin/Irinotecan, 4HI, Taxotere, Irinotecan, Carboplatine, Vinorelbine, Topotecan
If enough cells also test Alimta
DP 26-11-2012 09:45:43
mj 26-11-2012 10:39:39
KL 28-11-2012 11:23:44
MR 28-11-2012 11:24:39
Verified by: MP 03-12-2012 05:49:23
Initials:
Save
Verified
Coeff. adj. factor: 1
Nitrogen Tank Position:
Rack: 1-10
Position: 3

FIG. 17

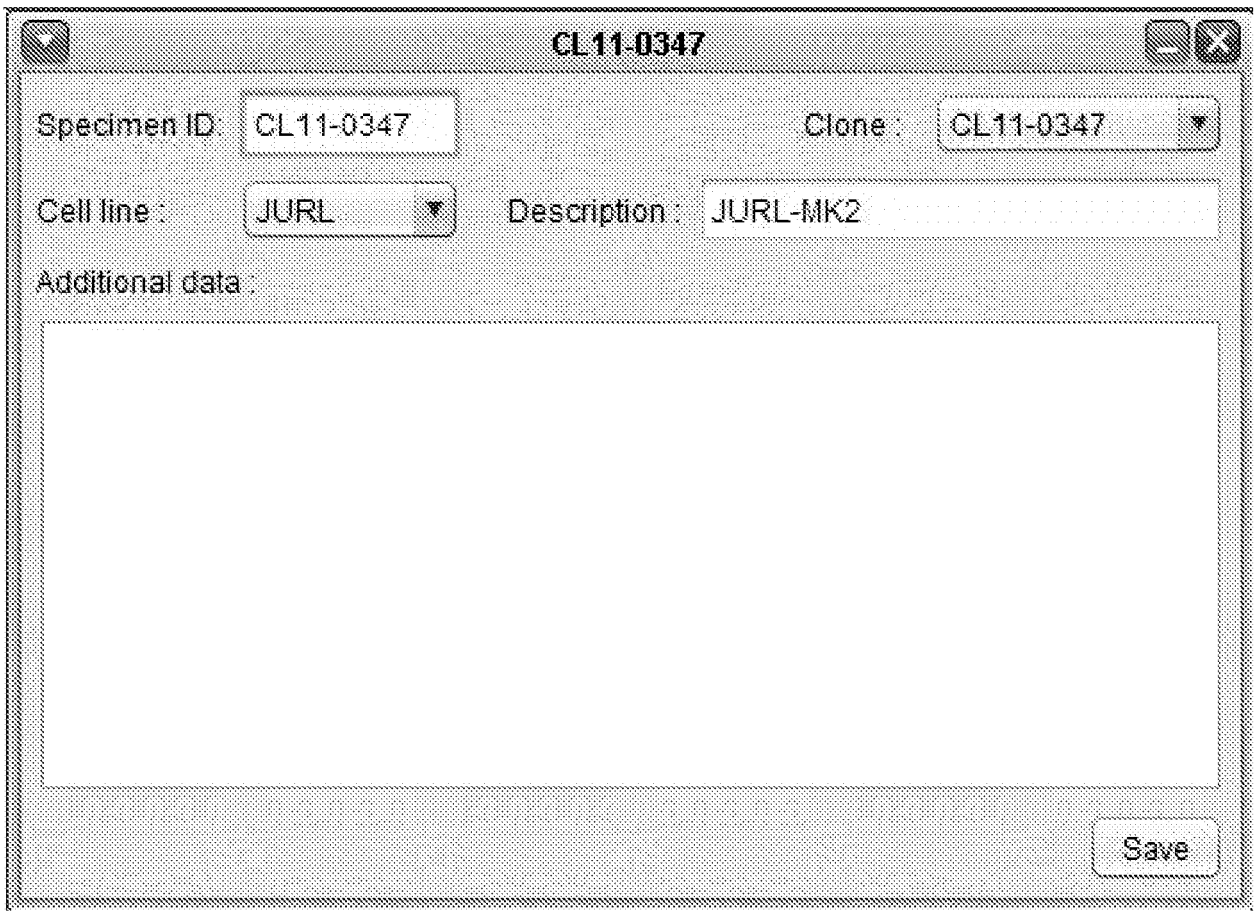

CL11-0347
Specimen ID: CL11-0347
Clone : CL11-0347
Cell line : JURL
Description : JURL-MK2
Additional data :
Save

FIG. 18

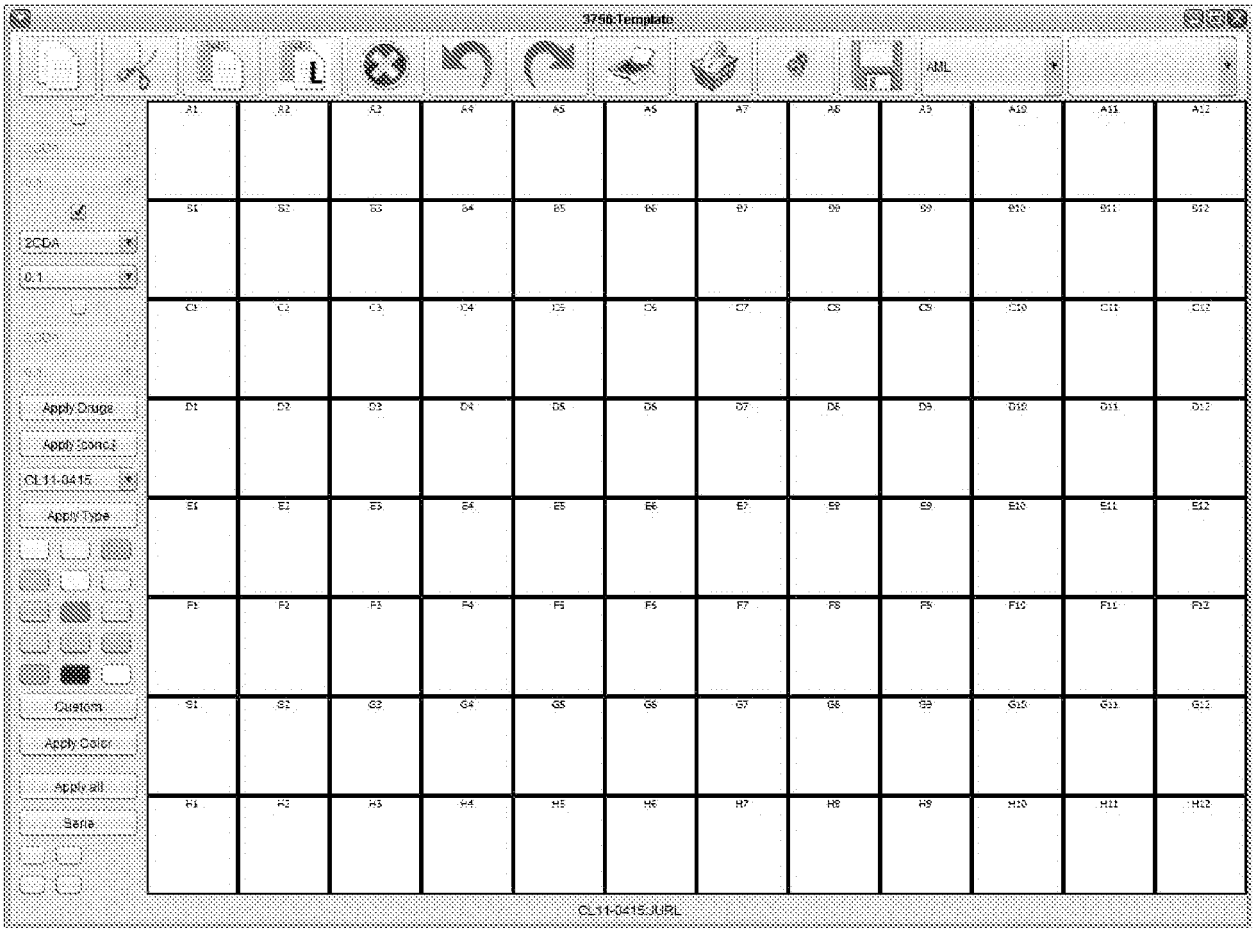

3756 Template
2CDA
0.1
Apply Drugs
Apply Control
CL11-0415
Apply Type
Custom
Apply Color
Apply all
Save
CL11-0415.IUPL

FIG. 19

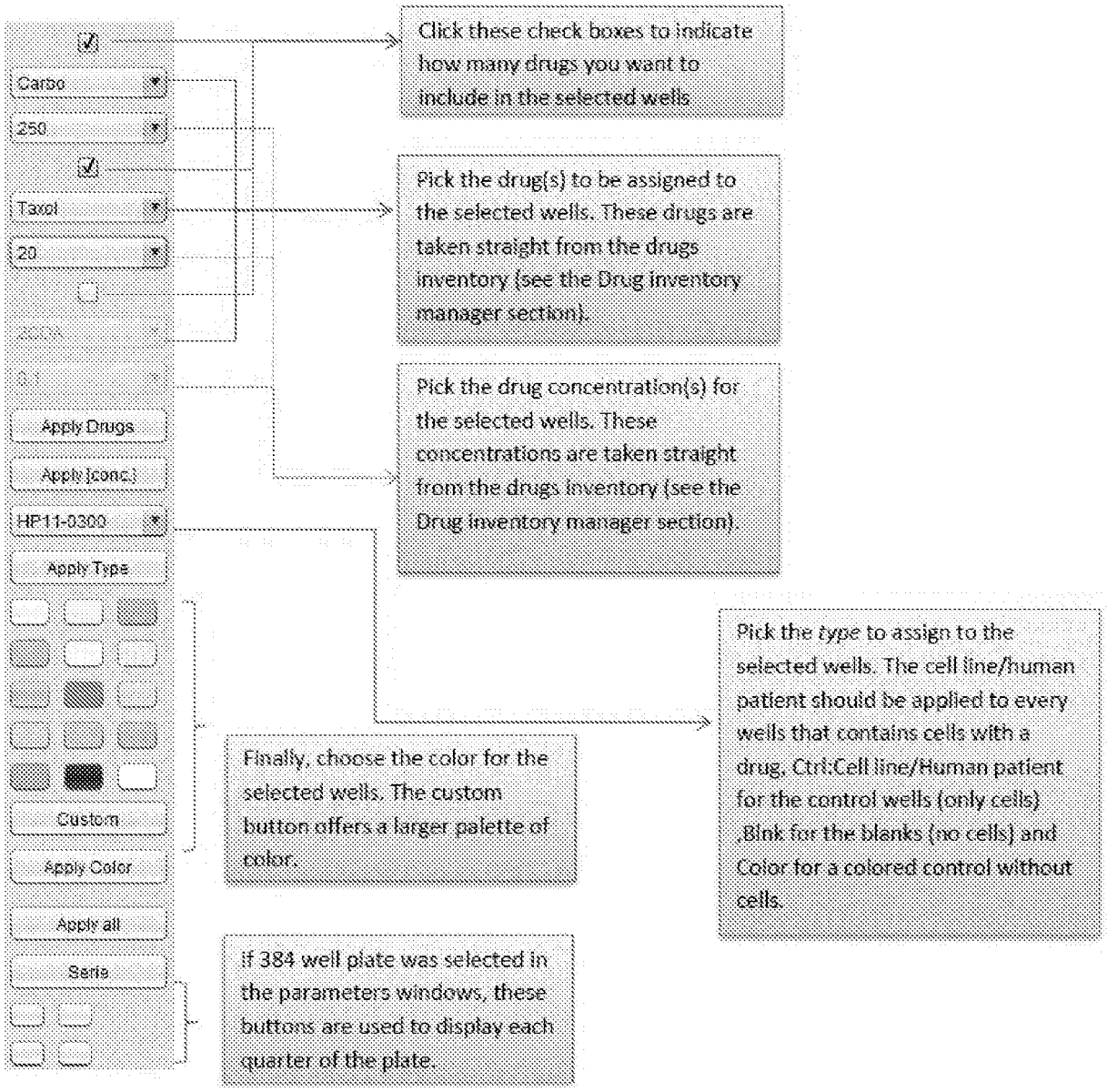

Carbo
250
Taxol
20
Apply Drugs
Apply (conc.)
HP11-0300
Apply Type
Custom
Apply Color
Apply all
Serie
Click these check boxes to indicate how many drugs you want to include in the selected wells
Pick the drug(s) to be assigned to the selected wells. These drugs are taken straight from the drugs inventory (see the Drug inventory manager section).
Pick the drug concentration(s) for the selected wells. These concentrations are taken straight from the drugs inventory (see the Drug inventory manager section).
Pick the type to assign to the selected wells. The cell line/human patient should be applied to every wells that contains cells with a drug, Ctrl:Cell line/Human patient for the control wells (only cells) ,Blnk for the blanks (no cells) and Color for a colored control without cells.
Finally, choose the color for the selected wells. The custom button offers a larger palette of color.
If 384 well plate was selected in the parameters windows, these buttons are used to display each quarter of the plate.

FIG. 20

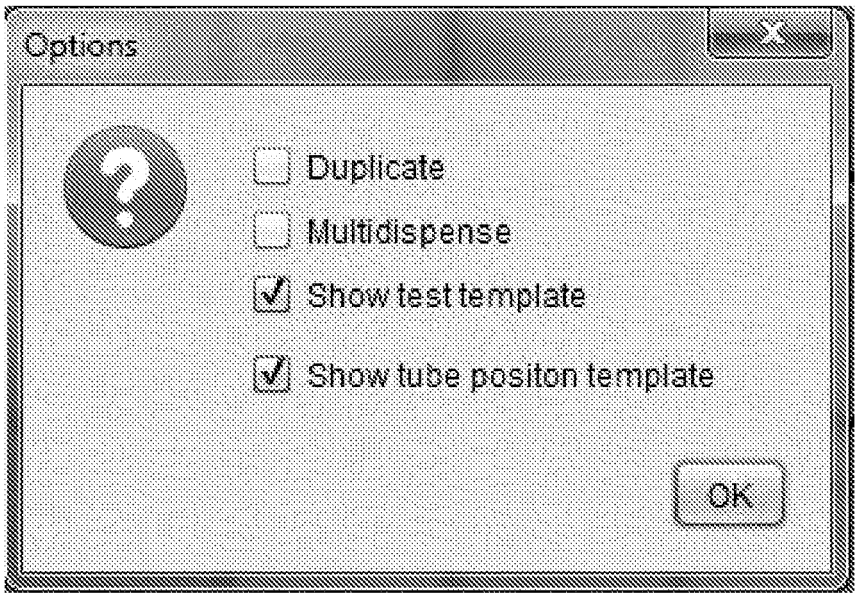

Options
Duplicate
Multidispense
Show test template
Show tube positon template
OK

FIG. 21

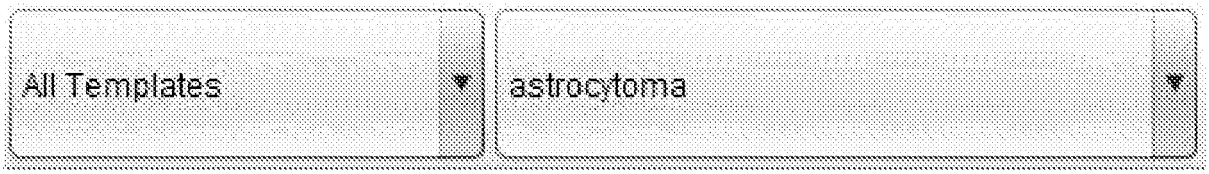

All Templates
astrocytoma

FIG. 22

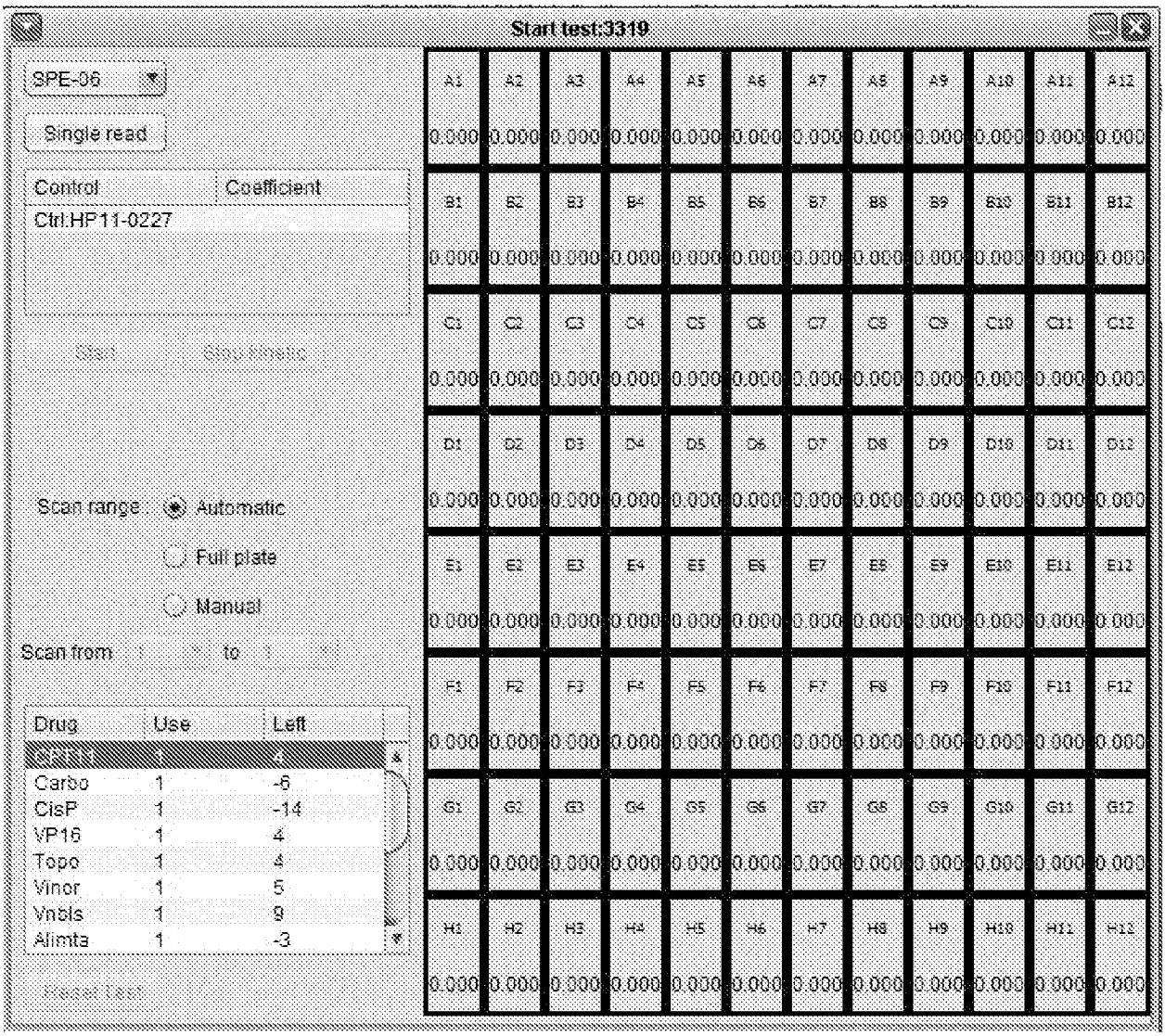

Start test:3319
SPE-06
Single read
Control
Coefficient
Ctrl:HP11-0227
Scan range
Automatic
Full plate
Manual
Scan from
to
Drug
Use
Left
Carbo 1 -6
CisP 1 -14
VP16 1 4
Topo 1 4
Vinor 1 5
Vnbls 1 9
Alimta 1 -3
A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12
B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12
D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12
E1 E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12
F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12
G1 G2 G3 G4 G5 G6 G7 G8 G9 G10 G11 G12
H1 H2 H3 H4 H5 H6 H7 H8 H9 H10 H11 H12

FIG. 23

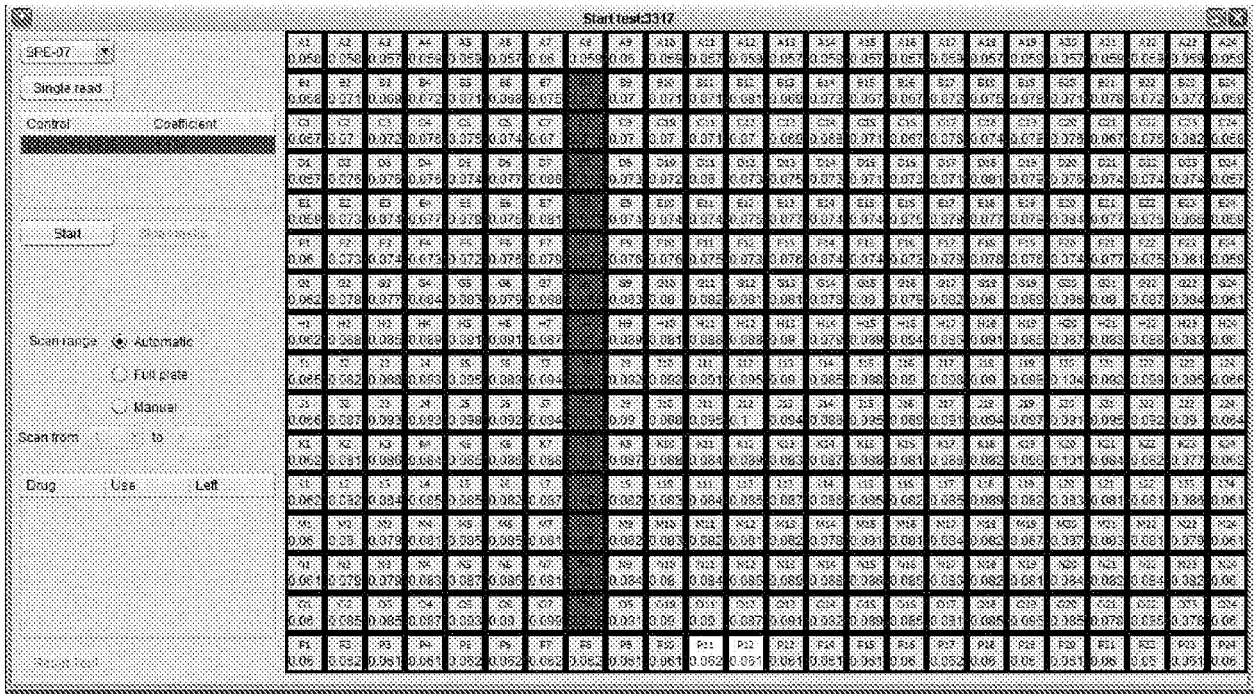

Start test:3317
SPE-07
Single read
Control
Coefficient
Start
Scan range
Automatic
Full plate
Manual
Scan from
to
Drug
Use
Left

FIG. 24

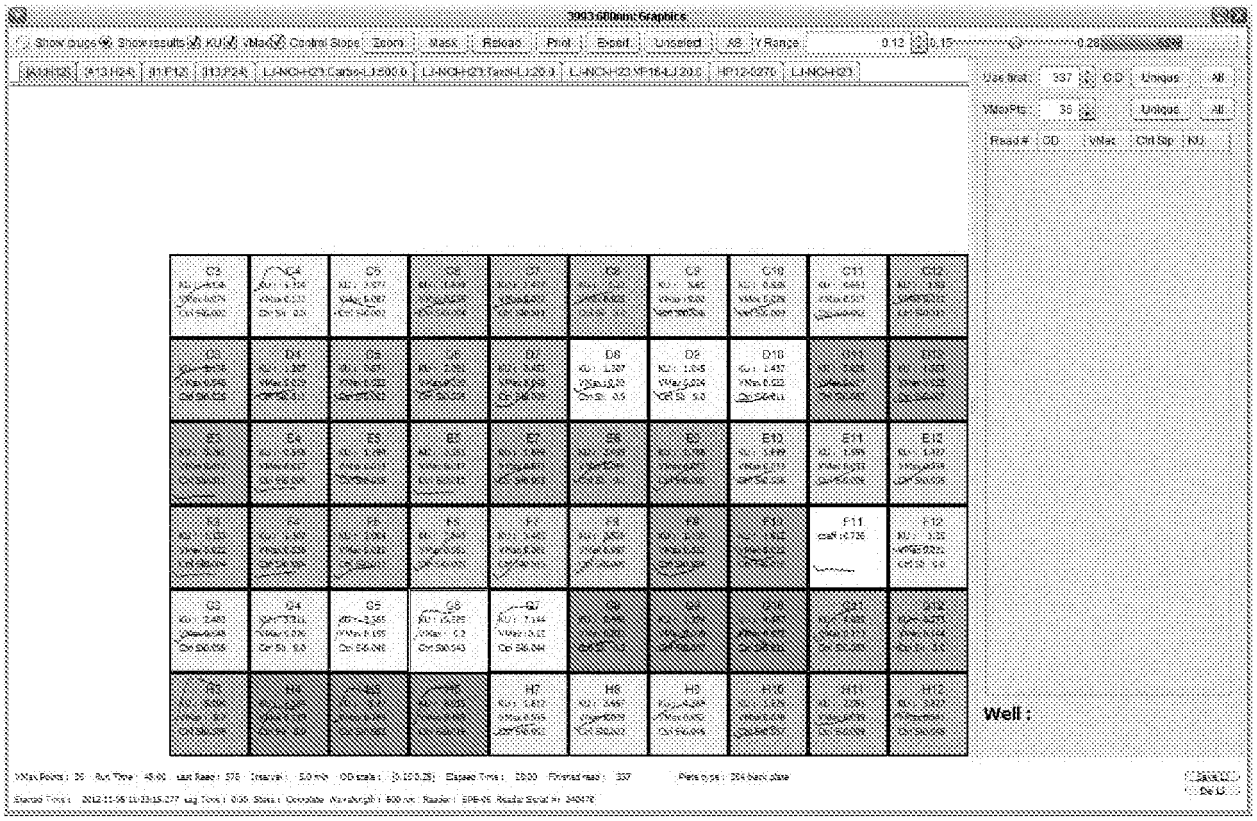


FIG. 25

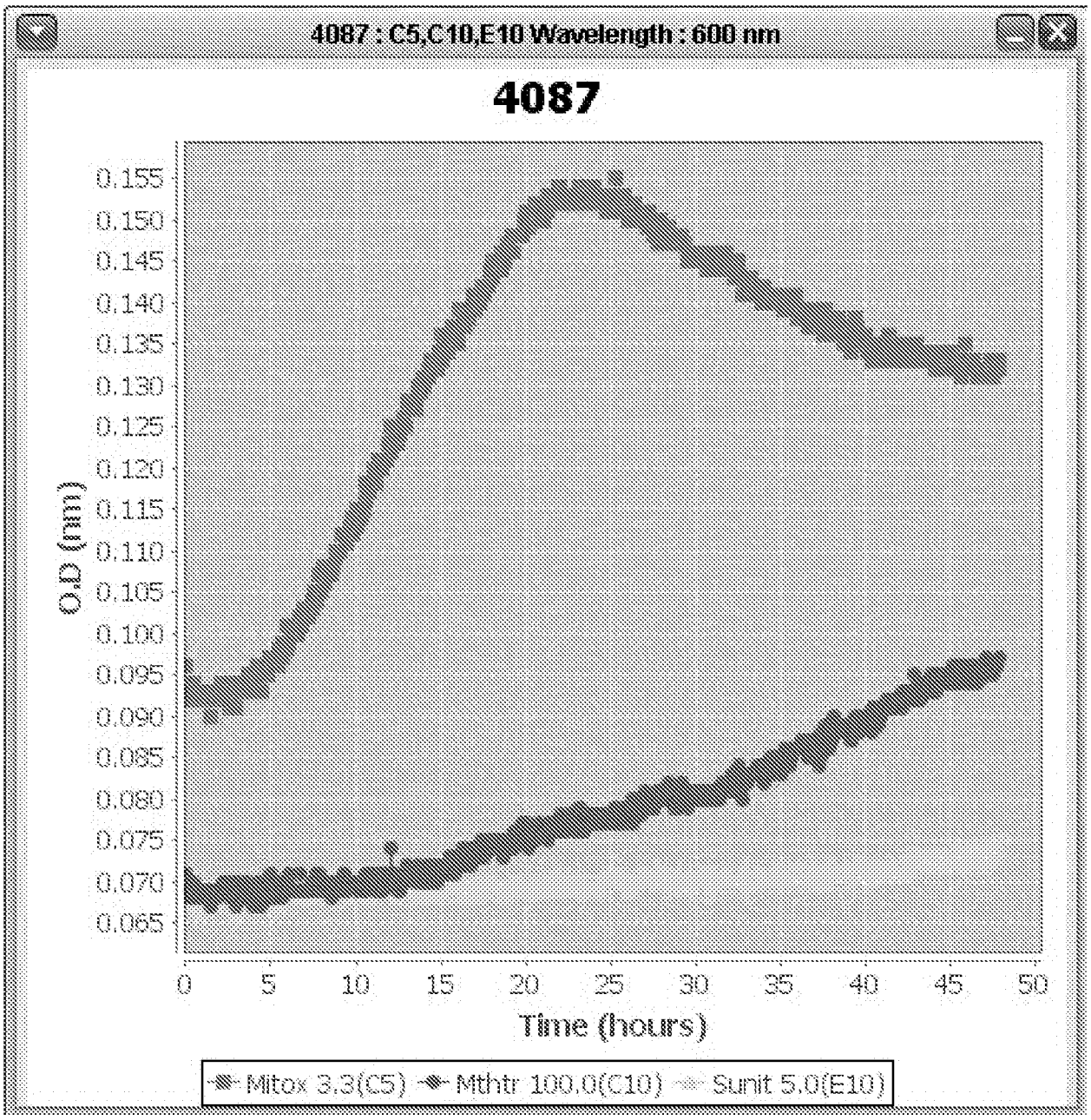

4087 : C5,C10,E10 Wavelength : 600 nm
4087
O.D (nm)
0.155
0.150
0.145
0.140
0.135
0.130
0.125
0.120
0.115
0.110
0.105
0.100
0.095
0.090
0.085
0.080
0.075
0.070
0.065
0
5
10
15
20
25
30
35
40
45
50
Time (hours)
Mitox 3.3(C5)
Mthtr 100.0(C10)
Sunit 5.0(E10)

FIG. 26

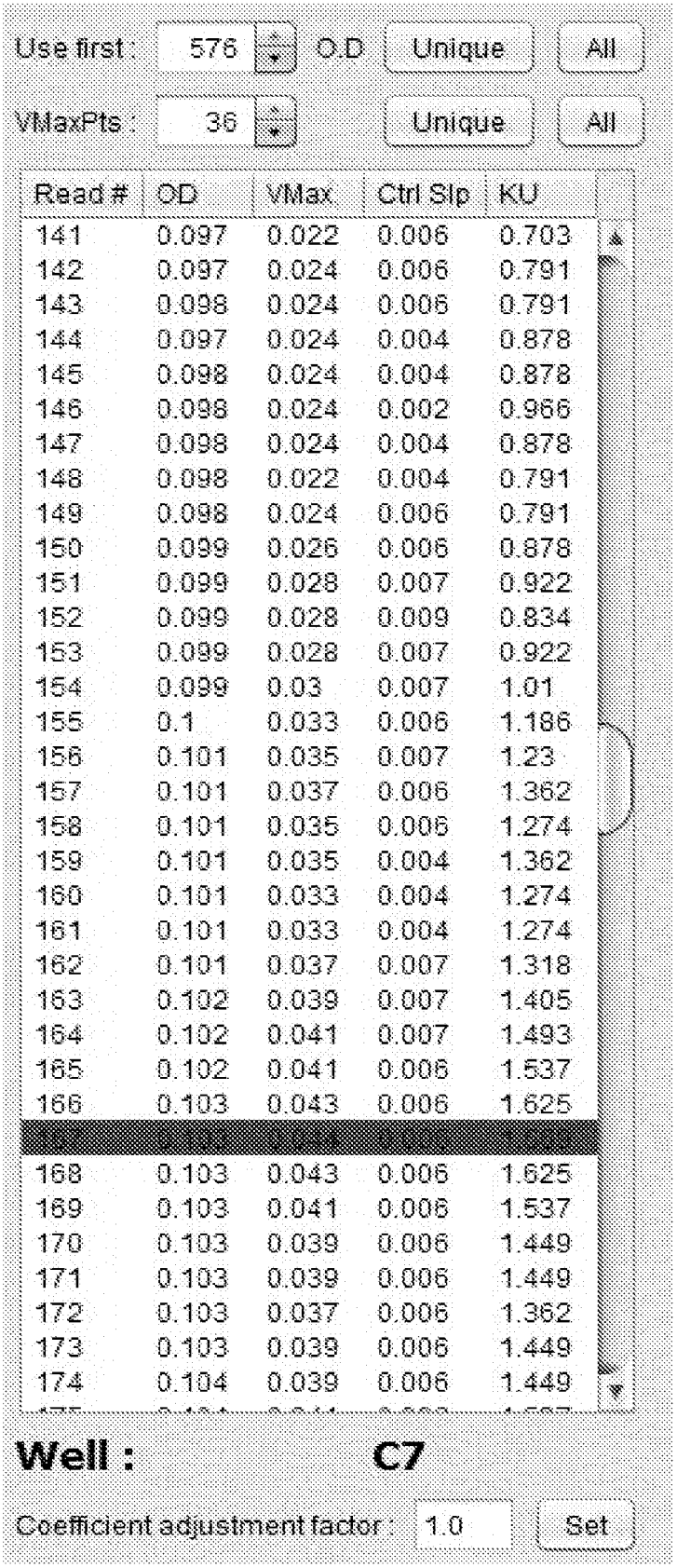

Use first : 576 O.D Unique All
VMaxPts : 36 Unique All
Read # OD VMax Ctrl Slp KU
141 0.097 0.022 0.006 0.703
142 0.097 0.024 0.006 0.791
143 0.098 0.024 0.006 0.791
144 0.097 0.024 0.004 0.878
145 0.098 0.024 0.004 0.878
146 0.098 0.024 0.002 0.966
147 0.098 0.024 0.004 0.878
148 0.098 0.022 0.004 0.791
149 0.098 0.024 0.006 0.791
150 0.099 0.026 0.006 0.878
151 0.099 0.028 0.007 0.922
152 0.099 0.028 0.009 0.834
153 0.099 0.028 0.007 0.922
154 0.099 0.03 0.007 1.01
155 0.1 0.033 0.006 1.186
156 0.101 0.035 0.007 1.23
157 0.101 0.037 0.006 1.362
158 0.101 0.035 0.006 1.274
159 0.101 0.035 0.004 1.362
160 0.101 0.033 0.004 1.274
161 0.101 0.033 0.004 1.274
162 0.101 0.037 0.007 1.318
163 0.102 0.039 0.007 1.405
164 0.102 0.041 0.007 1.493
165 0.102 0.041 0.006 1.537
166 0.103 0.043 0.006 1.625
168 0.103 0.043 0.006 1.625
169 0.103 0.041 0.006 1.537
170 0.103 0.039 0.006 1.449
171 0.103 0.039 0.006 1.449
172 0.103 0.037 0.006 1.362
173 0.103 0.039 0.006 1.449
174 0.104 0.039 0.006 1.449
Well : C7
Coefficient adjustment factor : 1.0 Set

FIG. 27

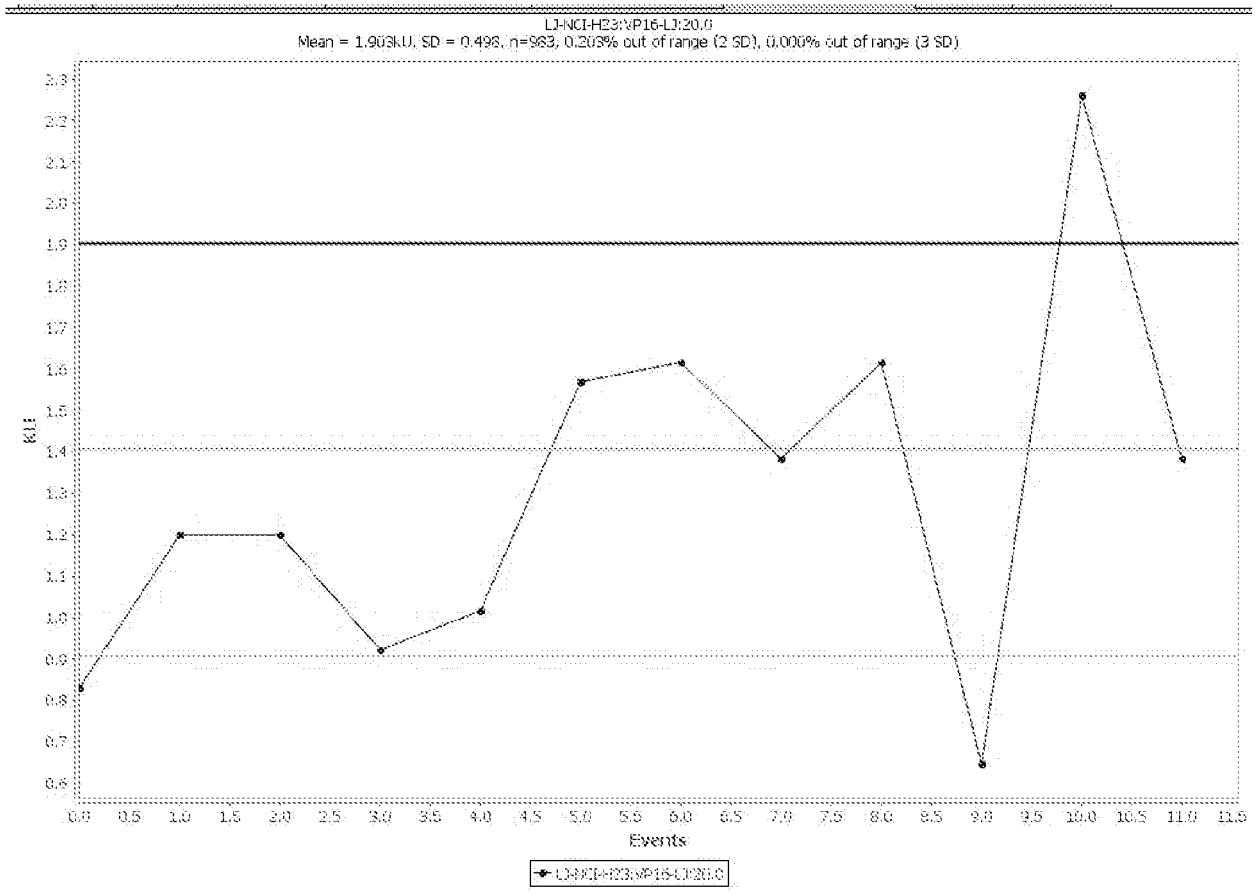

LJ-NCI-H23:VP16-LJ:20.0
Mean = 1.903kU, SD = 0.498, n=983, 0.203% out of range (2 SD), 0.000% out of range (3 SD)
kU
Events
LJ-NCI-H23:VP16-LJ:20.0

FIG. 28

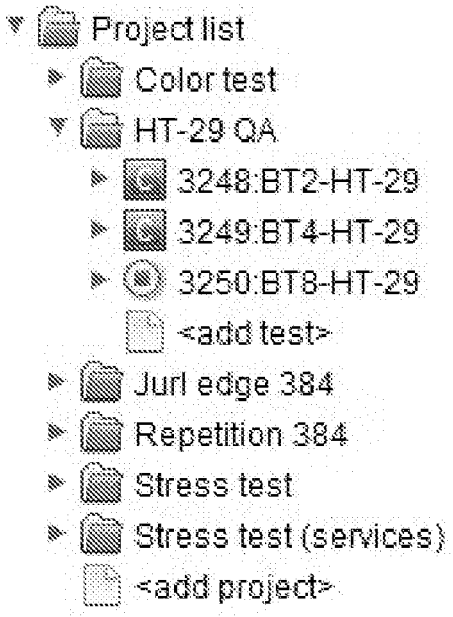

Project list
Color test
HT-29 QA
3248:BT2-HT-29
3249:BT4-HT-29
3250:BT8-HT-29
<add test>
Jurl edge 384
Repetition 384
Stress test
Stress test (services)
<add project>

FIG. 29

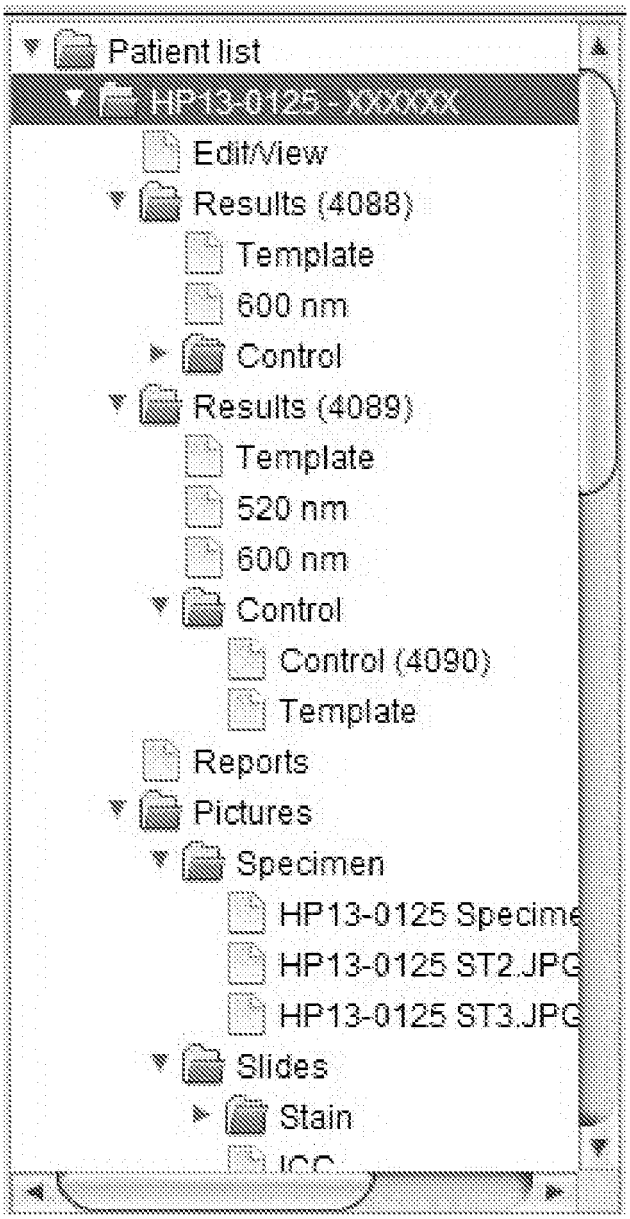

Patient list
HP13-0125 - xxxxx
Edit/View
Results (4088)
Template
600 nm
Control
Results (4089)
Template
520 nm
600 nm
Control
Control (4090)
Template
Reports
Pictures
Specimen
HP13-0125 Specime
HP13-0125 ST2.JPG
HP13-0125 ST3.JPG
Slides
Stain

FIG. 30

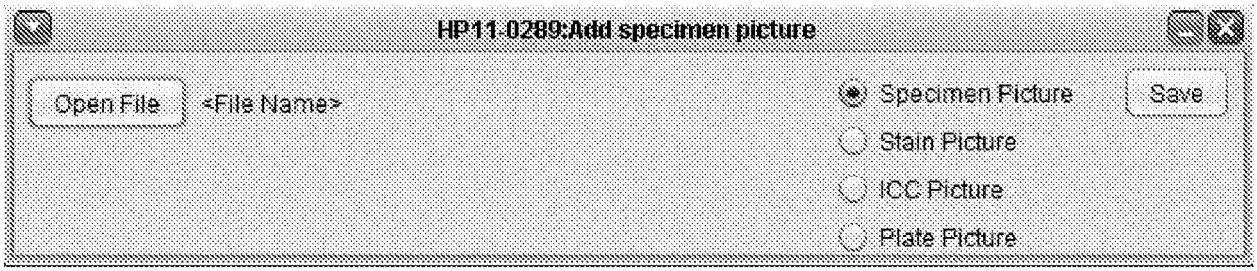

HP11-0289:Add specimen picture
Open File
<File Name>
Specimen Picture
Stain Picture
ICC Picture
Plate Picture
Save

FIG. 31

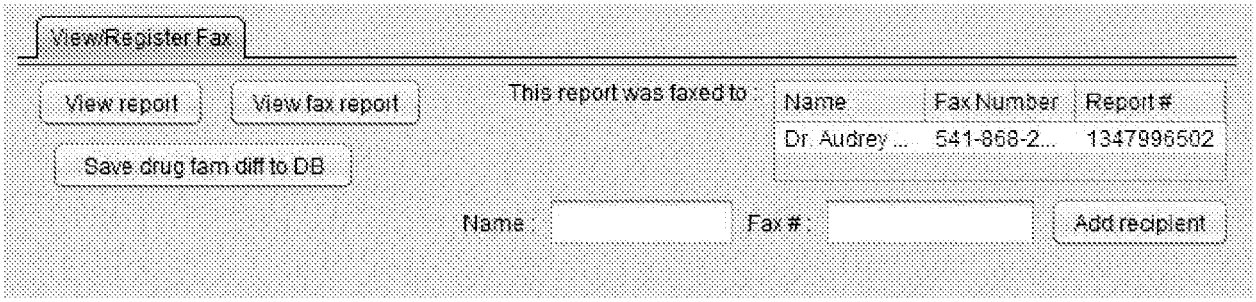

View/Register Fax
View report
View fax report
Save drug fam diff to DB
This report was faxed to
Name
Fax Number
Report #
Dr. Audrey ...
541-868-2...
1347996502
Name :
Fax # :
Add recipient

FIG. 32

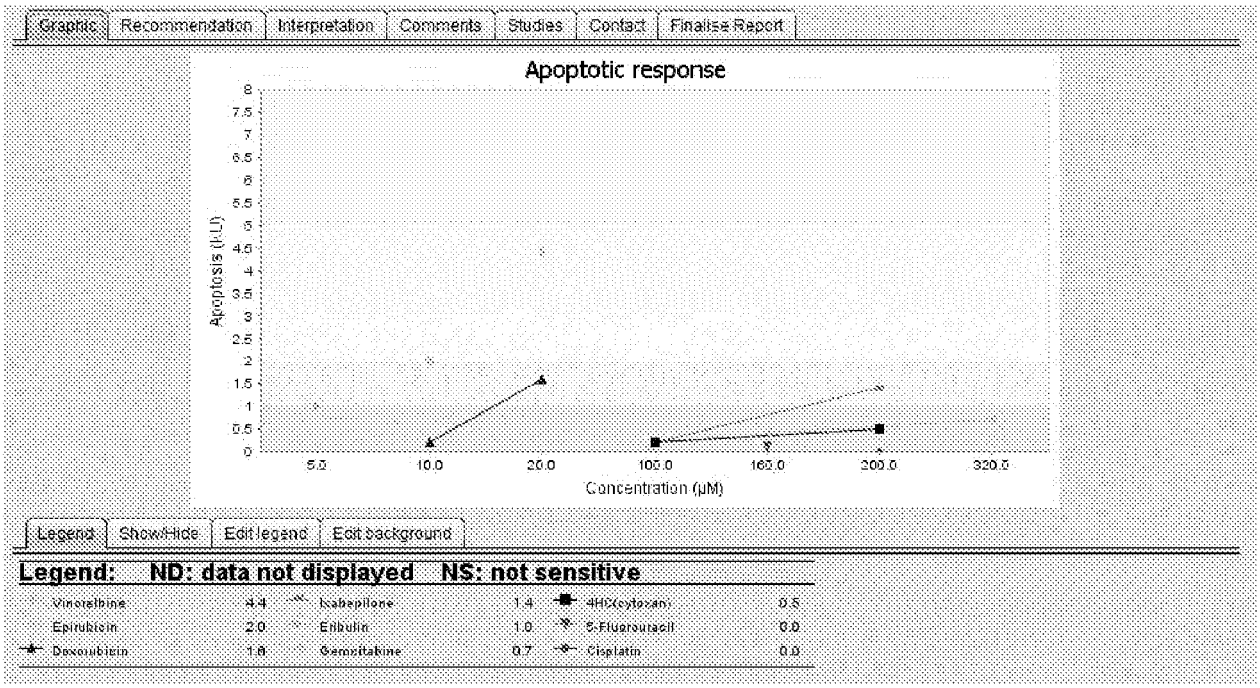

Graphic
Recommendation
Interpretation
Comments
Studies
Contact
Finalise Report
Apoptotic response
Apoptosis (r.U)
Concentration (µM)
Legend
Show/Hide
Edit legend
Edit background
Legend: ND: data not displayed NS: not sensitive
Vinorelbine 4.4
Epirubicin 2.0
Doxorubicin 1.8
Ixabepilone 1.4
Eribulin 1.0
Gemcitabine 0.7
4HC(cytoxan) 0.5
5-Fluorouracil 0.0
Cisplatin 0.0

FIG. 33

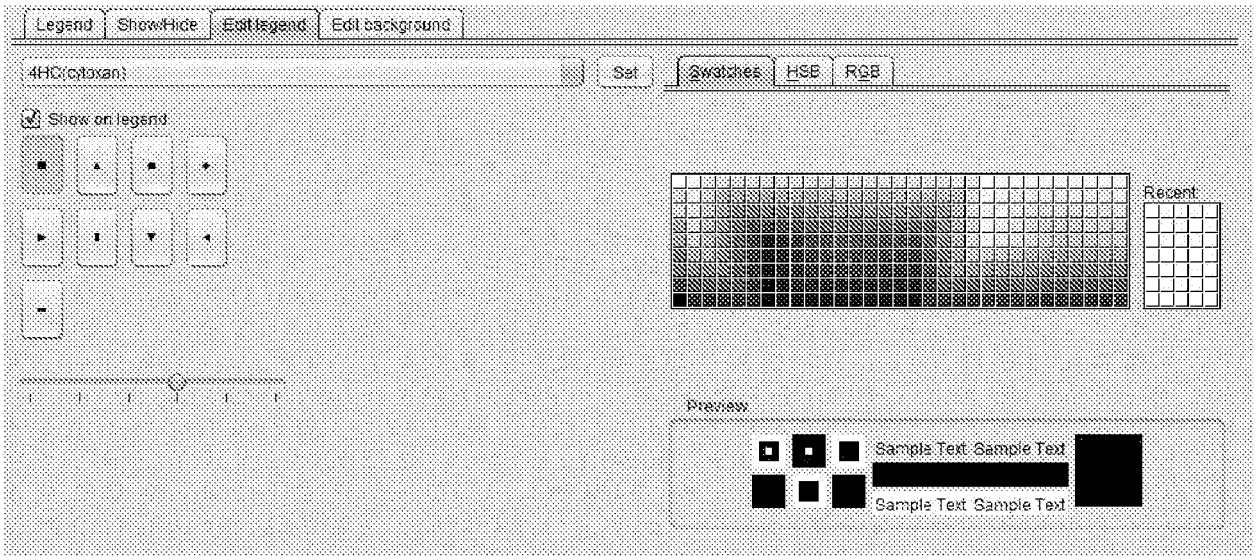

Legend
Show/Hide
Edit legend
Edit background
4HC(cyboxan)
Set
Swatches
HSB
RGB
Show on legend
Recent
Preview
Sample Text Sample Text
Sample Text Sample Text

FIG. 34

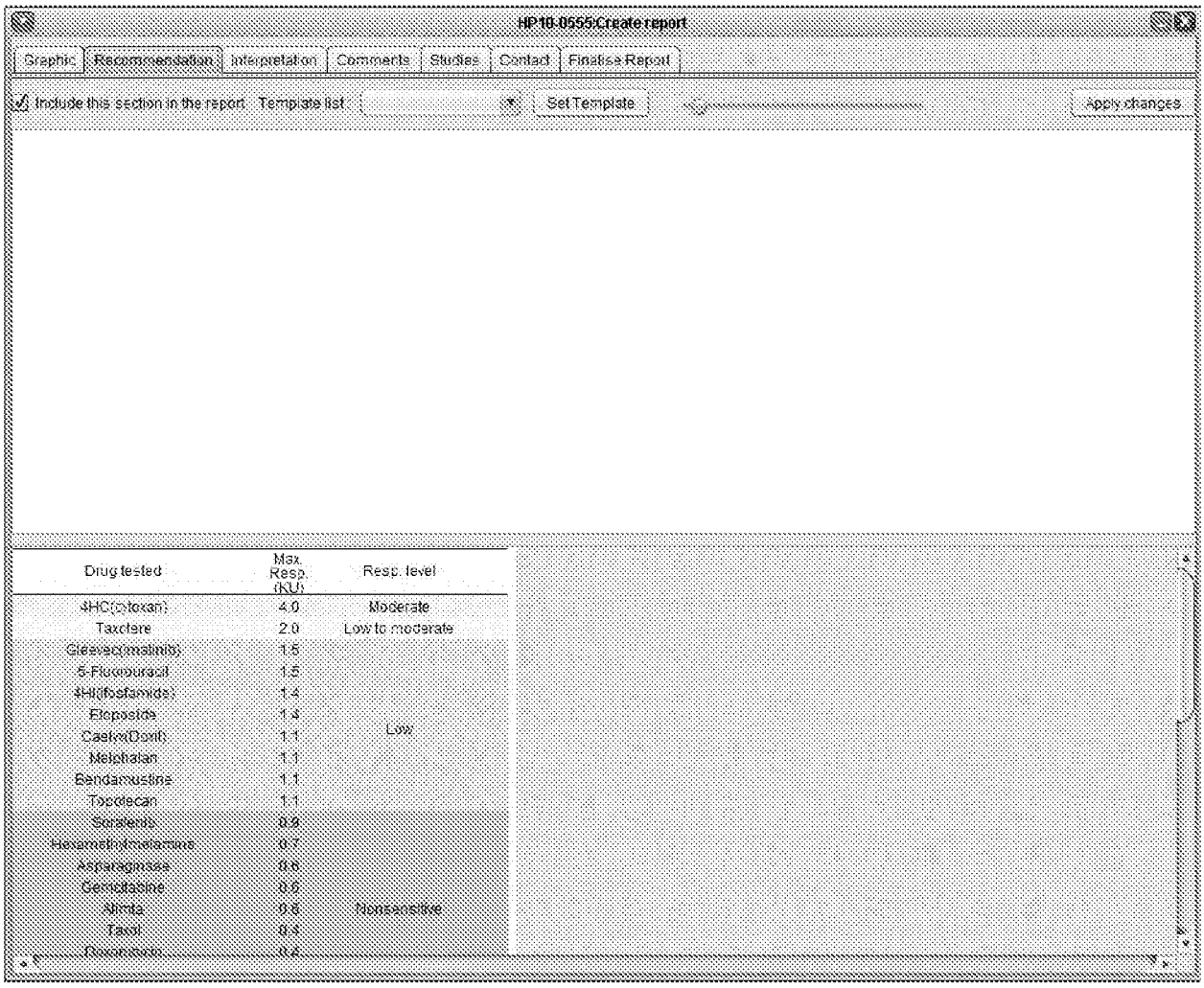

HP10-0555:Create report
Graphic
Recommendation
Interpretation
Comments
Studies
Contact
Finalise Report
Include this section in the report
Template list
Set Template
Apply changes
Drug tested
Max. Resp. (KU)
Resp. level
4HC(cytoxan)
4.0
Moderate
Taxotere
2.0
Low to moderate
Gleevec(mainib)
1.5
5-Fluorouracil
1.5
4HI(Ifosfamide)
1.4
Etoposide
1.4
Caelyx(Doxil)
1.1
Low
Melphalan
1.1
Bendamustine
1.1
Topotecan
1.1
Sorafenib
0.9
Hexamethylmelamine
0.7
Asparaginase
0.6
Gemcitabine
0.6
Abraxane
0.5
Nonsensitive
Taxol
0.3
Doxorubicin
0.2

FIG. 35

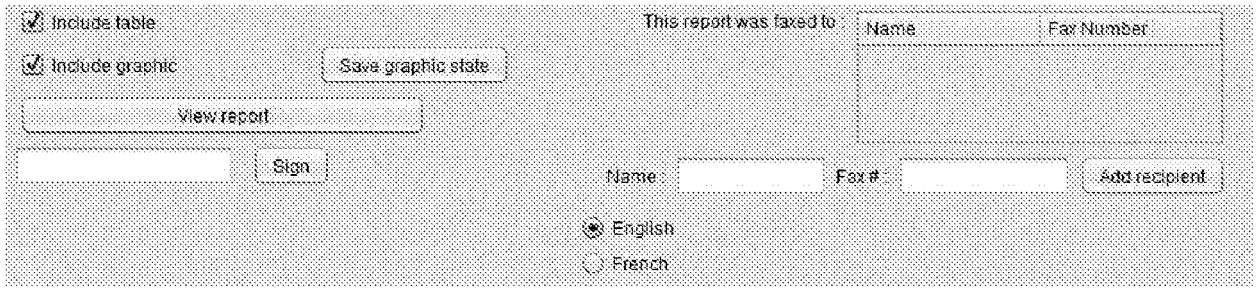

Include table
Include graphic
Save graphic state
View report
Sign
This report was faxed to :
Name
Fax Number
Name :
Fax # :
Add recipient
English
French

FIG. 36

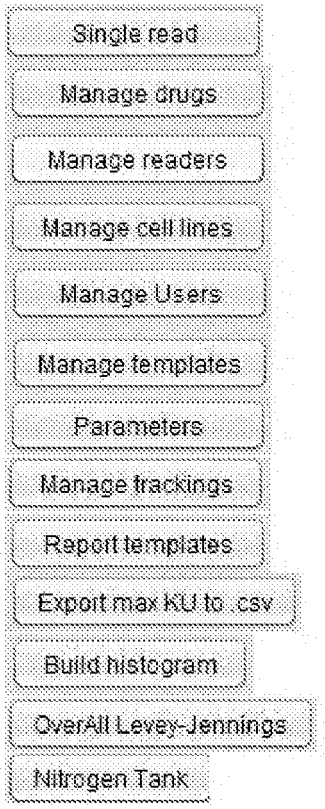

Single read
Manage drugs
Manage readers
Manage cell lines
Manage Users
Manage templates
Parameters
Manage trackings
Report templates
Export max KU to .csv
Build histogram
OverAll Levey-Jennings
Nitrogen Tank

FIG. 37

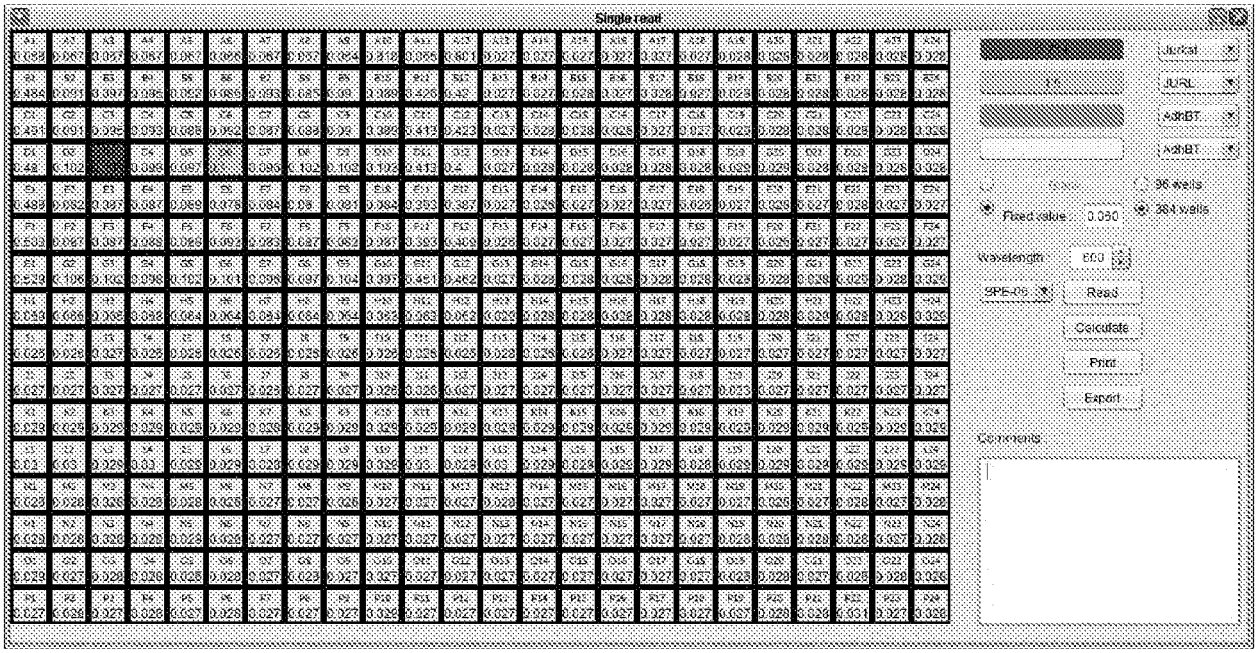

Single read
Read
Calculate
Print
Export

FIG. 38

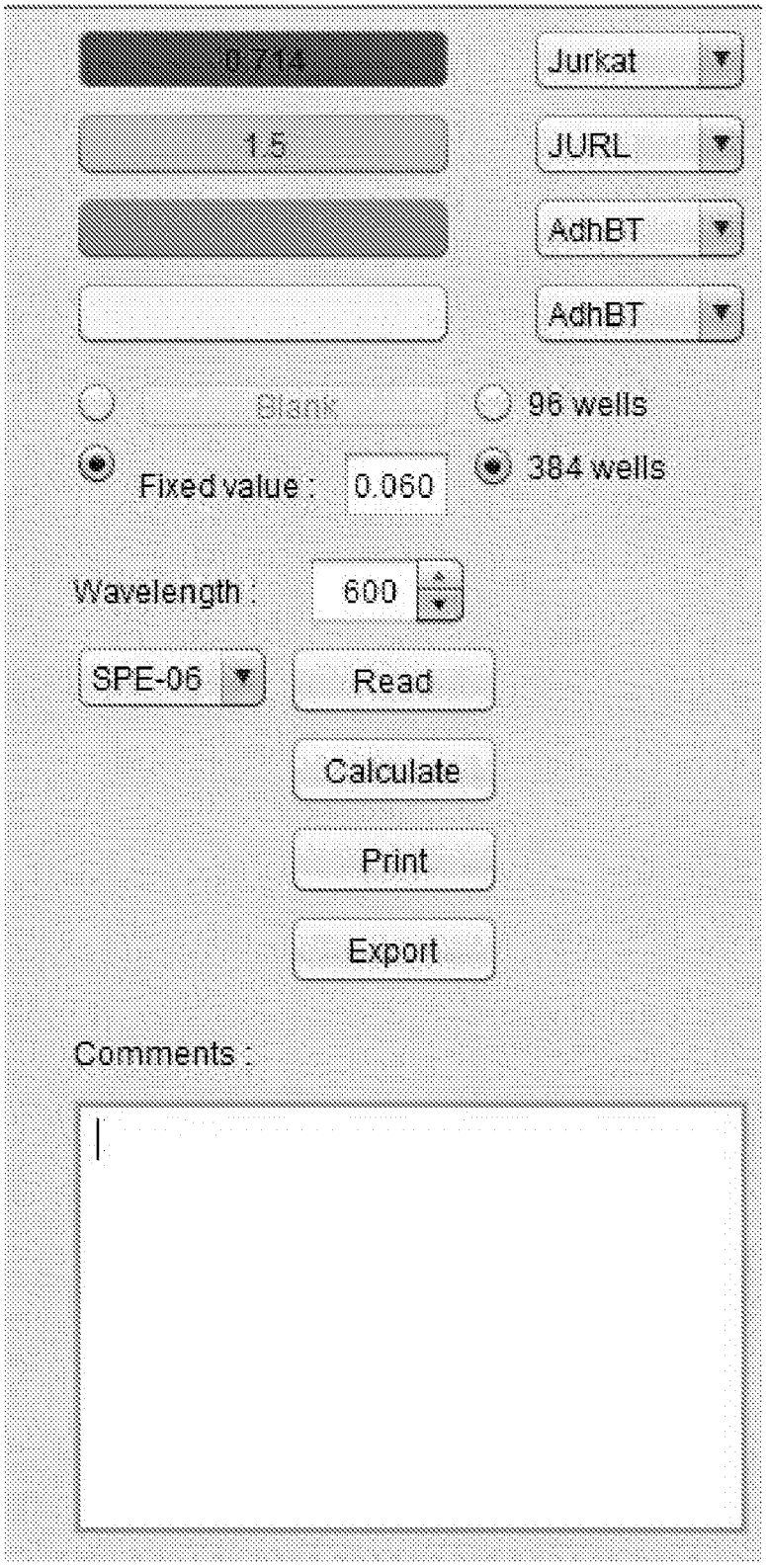

Jurkat
1.5
JURL
AdhBT
AdhBT
Blank
96 wells
Fixed value :
0.060
384 wells
Wavelength :
600
SPE-06
Read
Calculate
Print
Export
Comments :

FIG. 39

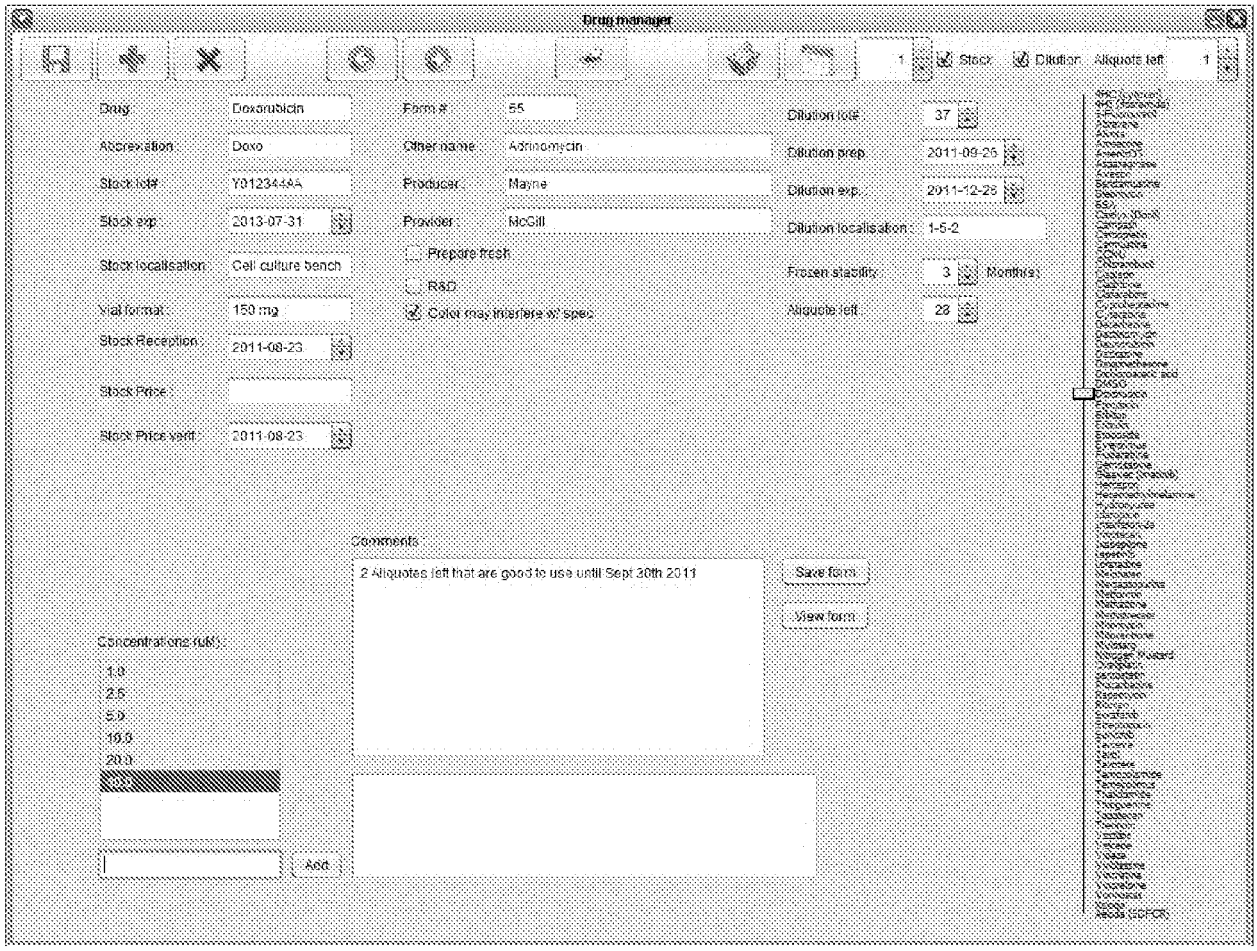

Drug manager
Stock
Dilution
Aliquots left
Drug
Doxorubicin
Abbreviation
Doxo
Stock lot#
Y0123444A
Stock exp
2013-07-31
Stock localisation
Cell culture bench
Vial format
150 mg
Stock Reception
2011-08-23
Stock Price
Stock Price verif
2011-08-23
Form #
55
Other name
Adriamycin
Producer
Mayne
Provider
McGill
Prepare fresh
R&D
Color may interfere w/ spec
Dilution total
37
Dilution prep
2011-09-26
Dilution exp
2011-12-26
Dilution localisation
1-5-2
Frozen stability
3
Months
Aliquots left
28
Comments
2 Aliquotes left that are good to use until Sept 30th 2011
Save form
View form
Concentrations (uM):
1.0
2.5
5.0
10.0
20.0
Add

FIG. 40

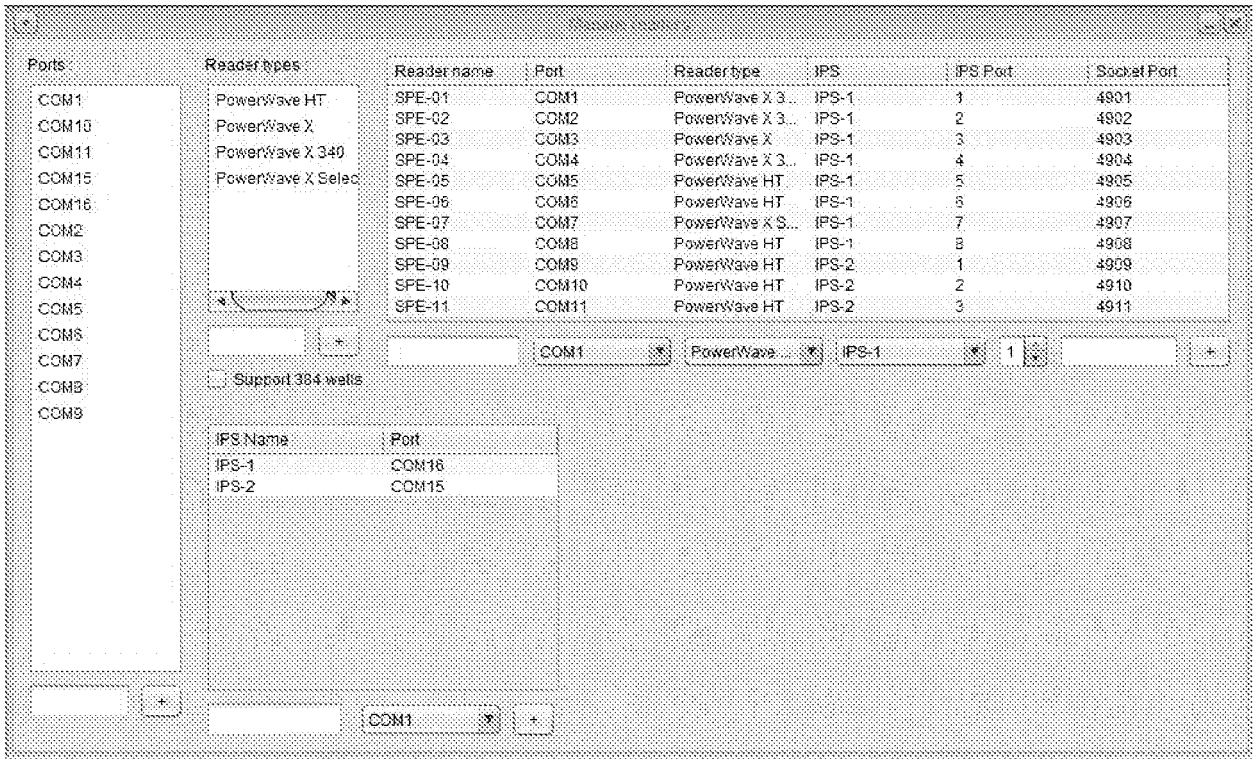

Ports
COM1
COM10
COM11
COM15
COM16
COM2
COM3
COM4
COM5
COM6
COM7
COM8
COM9
Reader types
PowerWave HT
PowerWave X
PowerWave X 340
PowerWave X Selec
Support 384 wells
Reader name
Port
Reader type
IPS
IPS Port
Socket Port
SPE-01 COM1 PowerWave X 3... IPS-1 1 4901
SPE-02 COM2 PowerWave X 3... IPS-1 2 4902
SPE-03 COM3 PowerWave X IPS-1 3 4903
SPE-04 COM4 PowerWave X 3... IPS-1 4 4904
SPE-05 COM5 PowerWave HT IPS-1 5 4905
SPE-06 COM6 PowerWave HT IPS-1 6 4906
SPE-07 COM7 PowerWave X S... IPS-1 7 4907
SPE-08 COM8 PowerWave HT IPS-1 8 4908
SPE-09 COM9 PowerWave HT IPS-2 1 4909
SPE-10 COM10 PowerWave HT IPS-2 2 4910
SPE-11 COM11 PowerWave HT IPS-2 3 4911
COM1
PowerWave...
IPS-1
1
IPS Name
Port
IPS-1 COM16
IPS-2 COM15
COM1

FIG. 41

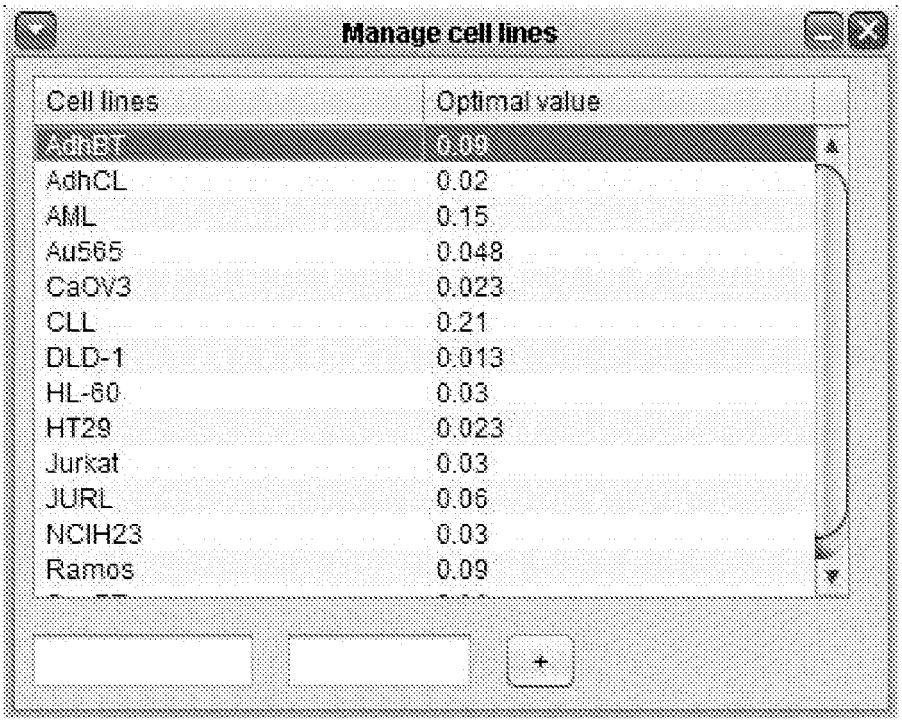

Manage cell lines
Cell lines
Optimal value
AdhBT 0.09
AdhCL 0.02
AML 0.15
Au565 0.048
CaOV3 0.023
CLL 0.21
DLD-1 0.013
HL-60 0.03
HT29 0.023
Jurkat 0.03
JURL 0.06
NCIH23 0.03
Ramos 0.09

FIG. 42

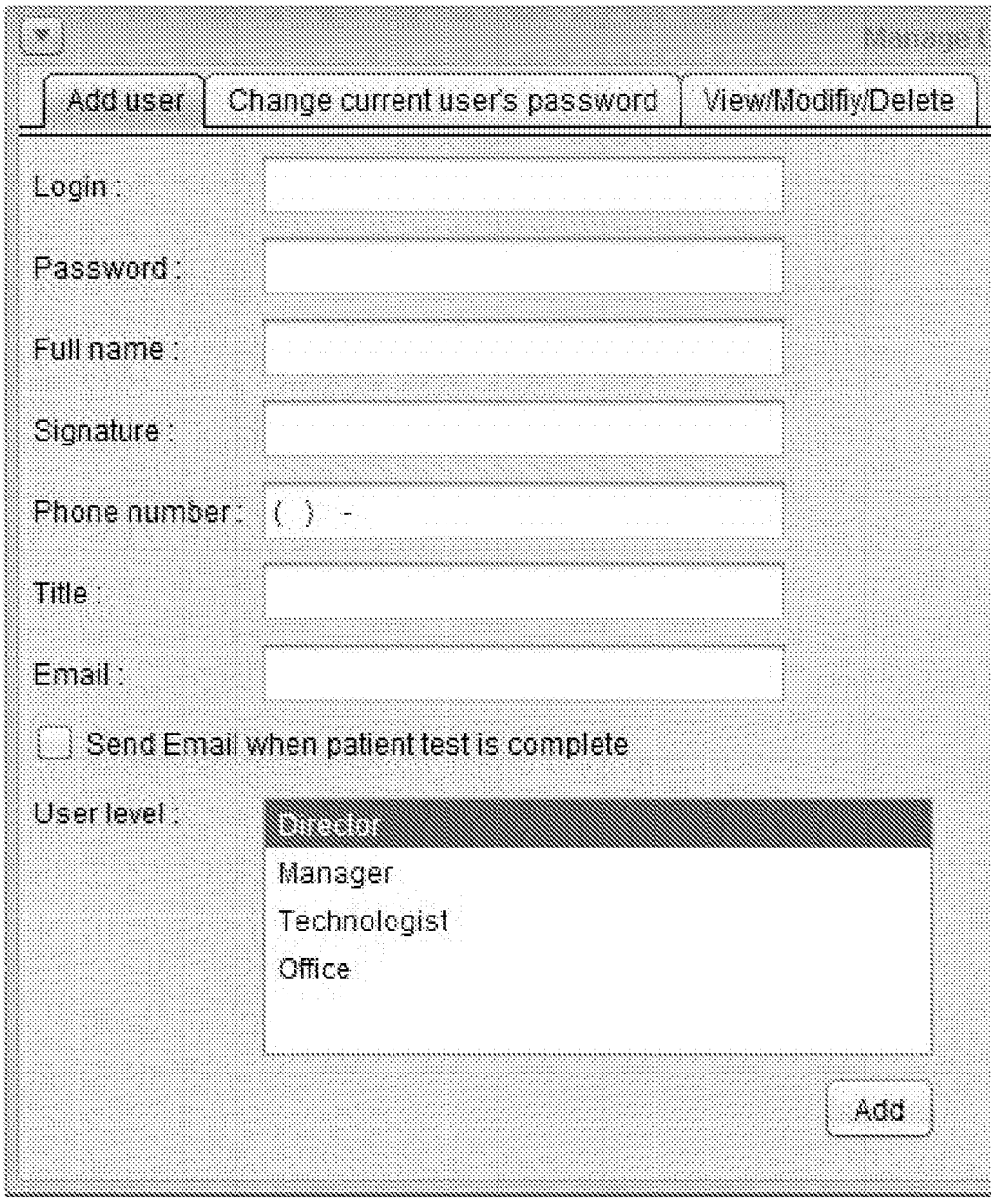

Add user
Change current user's password
View/Modify/Delete
Login :
Password :
Full name :
Signature :
Phone number : ( ) -
Title :
Email :
Send Email when patient test is complete
User level :
Director
Manager
Technologist
Office
Add

FIG. 43

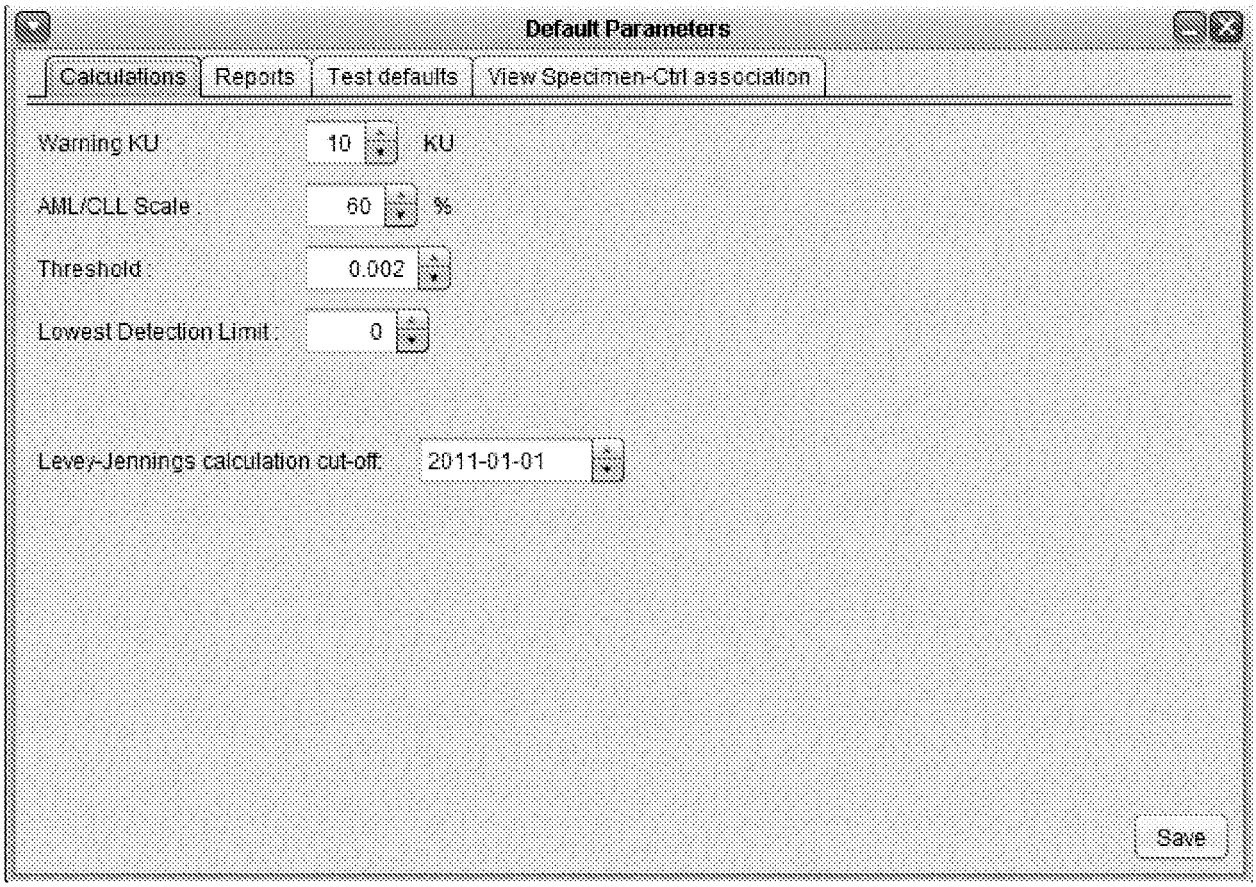

Default Parameters
Calculations
Reports
Test defaults
View Specimen-Ctrl association
Warning KU:
10
KU
AML/CLL Scale:
60
%
Threshold:
0.002
Lowest Detection Limit:
0
Levey-Jennings calculation cut-off:
2011-01-01
Save

FIG. 44A

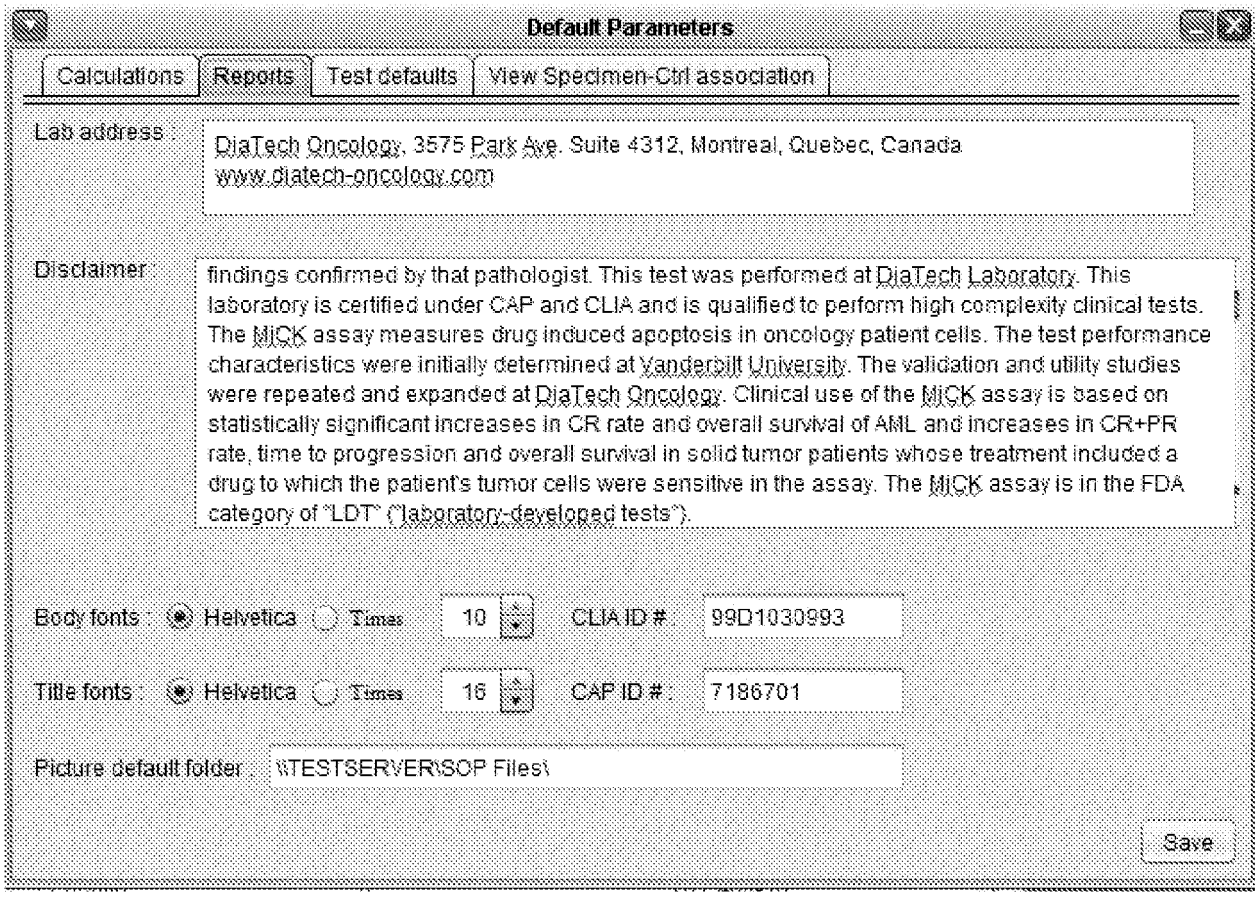

Default Parameters
Calculations
Reports
Test defaults
View Specimen-Ctrl association
Lab address :
DiaTech Oncology, 3575 Park Ave. Suite 4312, Montreal, Quebec, Canada
www.diatech-oncology.com
Disclaimer :
findings confirmed by that pathologist. This test was performed at DiaTech Laboratory. This laboratory is certified under CAP and CLIA and is qualified to perform high complexity clinical tests. The MiCK assay measures drug induced apoptosis in oncology patient cells. The test performance characteristics were initially determined at Vanderbilt University. The validation and utility studies were repeated and expanded at DiaTech Oncology. Clinical use of the MiCK assay is based on statistically significant increases in CR rate and overall survival of AML and increases in CR+PR rate, time to progression and overall survival in solid tumor patients whose treatment included a drug to which the patient's tumor cells were sensitive in the assay. The MiCK assay is in the FDA category of "LDT" ("laboratory-developed tests").
Body fonts :
Helvetica
Times
10
CLIA ID # :
99D1030993
Title fonts :
Helvetica
Times
16
CAP ID # :
7186701
Picture default folder :
\\TESTSERVER\SOP Files\
Save

FIG. 44B

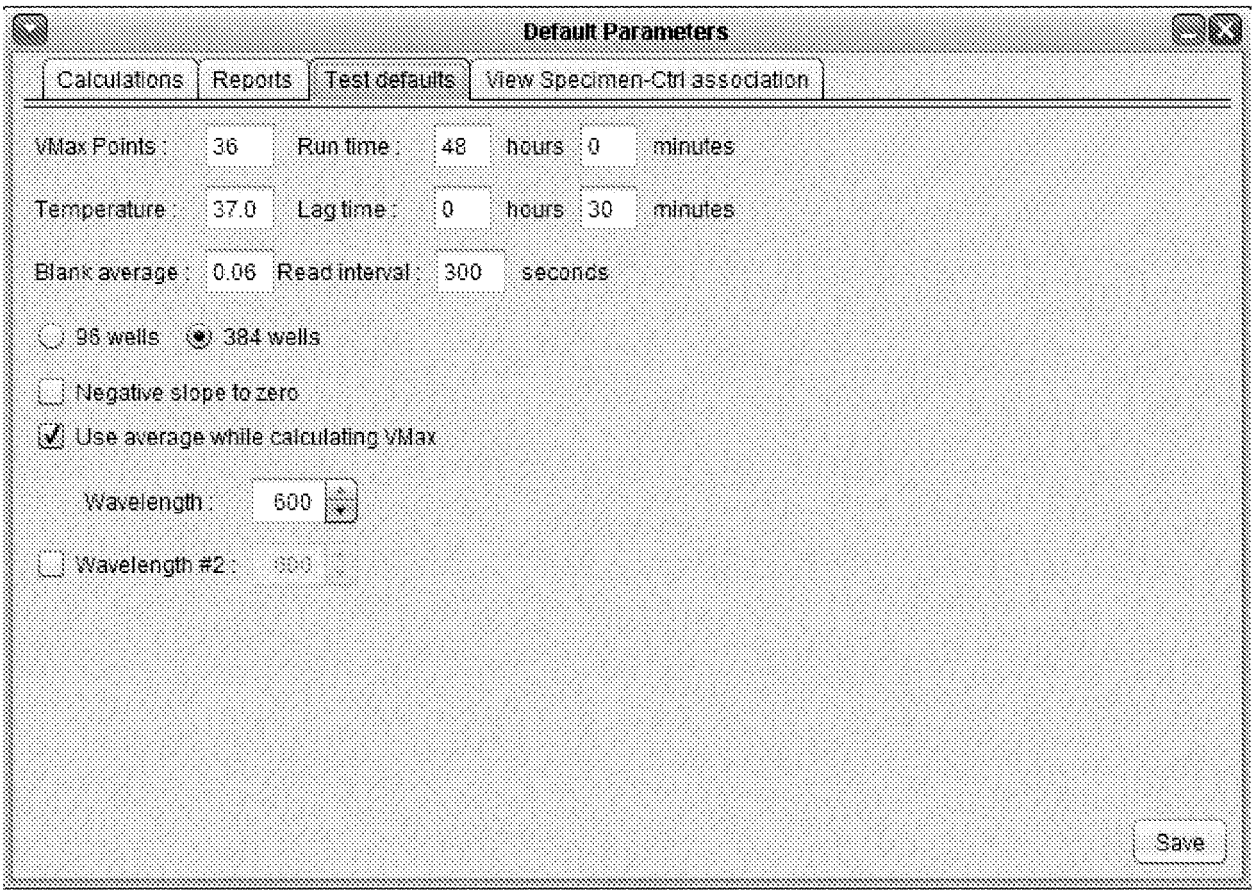

Default Parameters
Calculations
Reports
Test defaults
View Specimen-Ctrl association
VMax Points : 36
Run time : 48 hours 0 minutes
Temperature : 37.0
Lag time : 0 hours 30 minutes
Blank average : 0.06
Read interval : 300 seconds
96 wells
384 wells
Negative slope to zero
Use average while calculating VMax
Wavelength : 600
Wavelength #2 :
Save

FIG. 44C

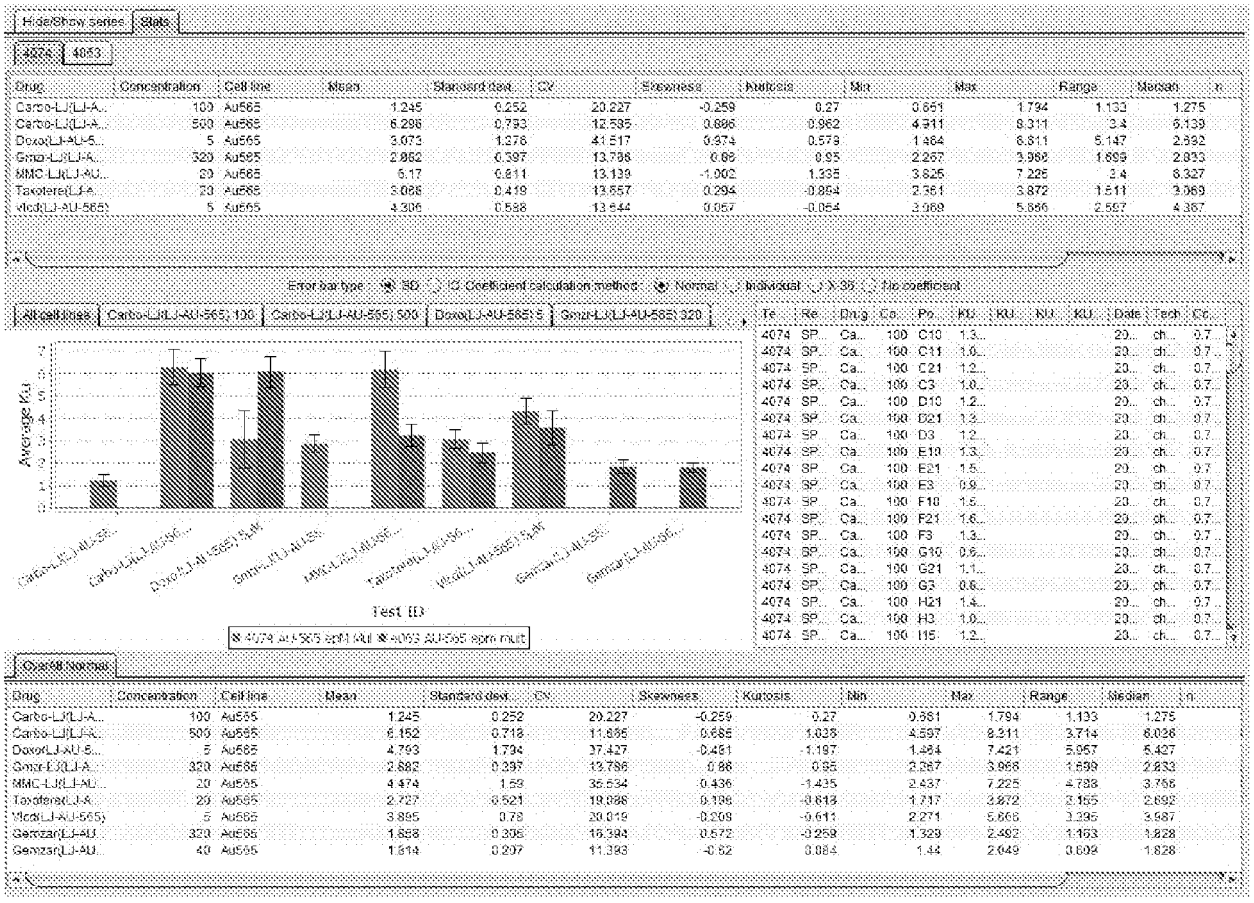

Hide/Show series
Stats
Drug
Concentration
Cell line
Mean
Standard dev.
CV
Skewness
Kurtosis
Min
Max
Range
Median
Carbo-L(LJ-A...
Doxo(LJ-AU-5...
Gmzr-L(LJ-A...
MMC-L(LJ-AU...
Taxotere(LJ-A...
Vlcd(LJ-AU-565)
Gemzar(LJ-AU...
Error bar type
SD
IC Coefficient calculation method
Normal
Individual
X-36
No coefficient
All cell lines
Carbo-L(LJ-AU-565) 100
Carbo-L(LJ-AU-565) 500
Doxo(LJ-AU-565) 5
Gmzr-L(LJ-AU-565) 320
Average Ku
Test ID3
Overall Normal

FIG. 45

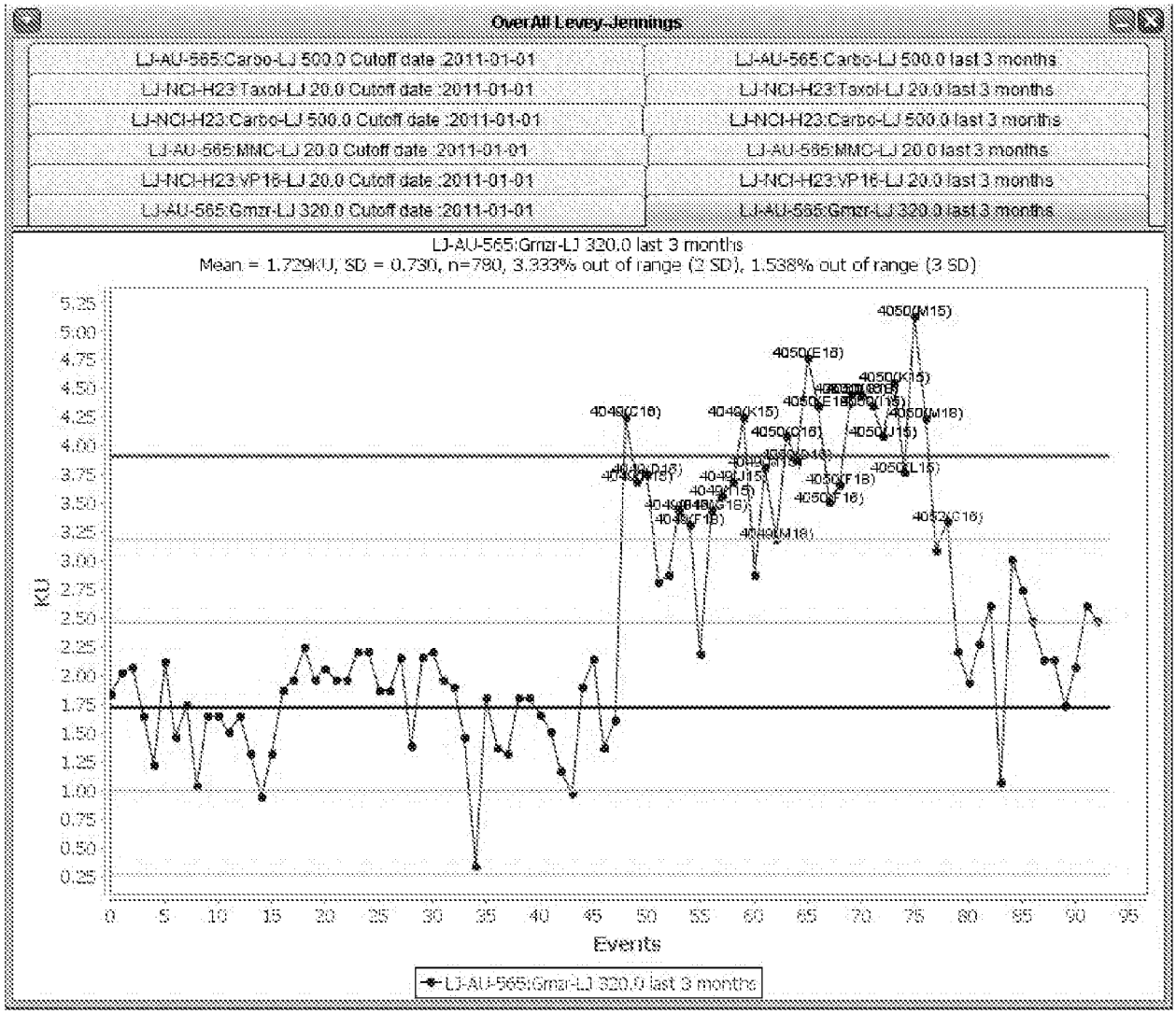

OverAll Levey-Jennings
LJ-AU-565:Carbo-LJ 500.0 Cutoff date :2011-01-01
LJ-AU-565:Carbo-LJ 500.0 last 3 months
LJ-NCI-H23:Taxol-LJ 20.0 Cutoff date :2011-01-01
LJ-NCI-H23:Taxol-LJ 20.0 last 3 months
LJ-NCI-H23:Carbo-LJ 500.0 Cutoff date :2011-01-01
LJ-NCI-H23:Carbo-LJ 500.0 last 3 months
LJ-AU-565:MMC-LJ 20.0 Cutoff date :2011-01-01
LJ-AU-565:MMC-LJ 20.0 last 3 months
LJ-NCI-H23:VP16-LJ 20.0 Cutoff date :2011-01-01
LJ-NCI-H23:VP16-LJ 20.0 last 3 months
LJ-AU-565:Gmzr-LJ 320.0 Cutoff date :2011-01-01
LJ-AU-565:Gmzr-LJ 320.0 last 3 months
LJ-AU-565:Gmzr-LJ 320.0 last 3 months
Mean = 1.729KU, SD = 0.730, n=780, 3.333% out of range (2 SD), 1.538% out of range (3 SD)
KU
Events
LJ-AU-565:Gmzr-LJ 320.0 last 3 months

FIG. 46

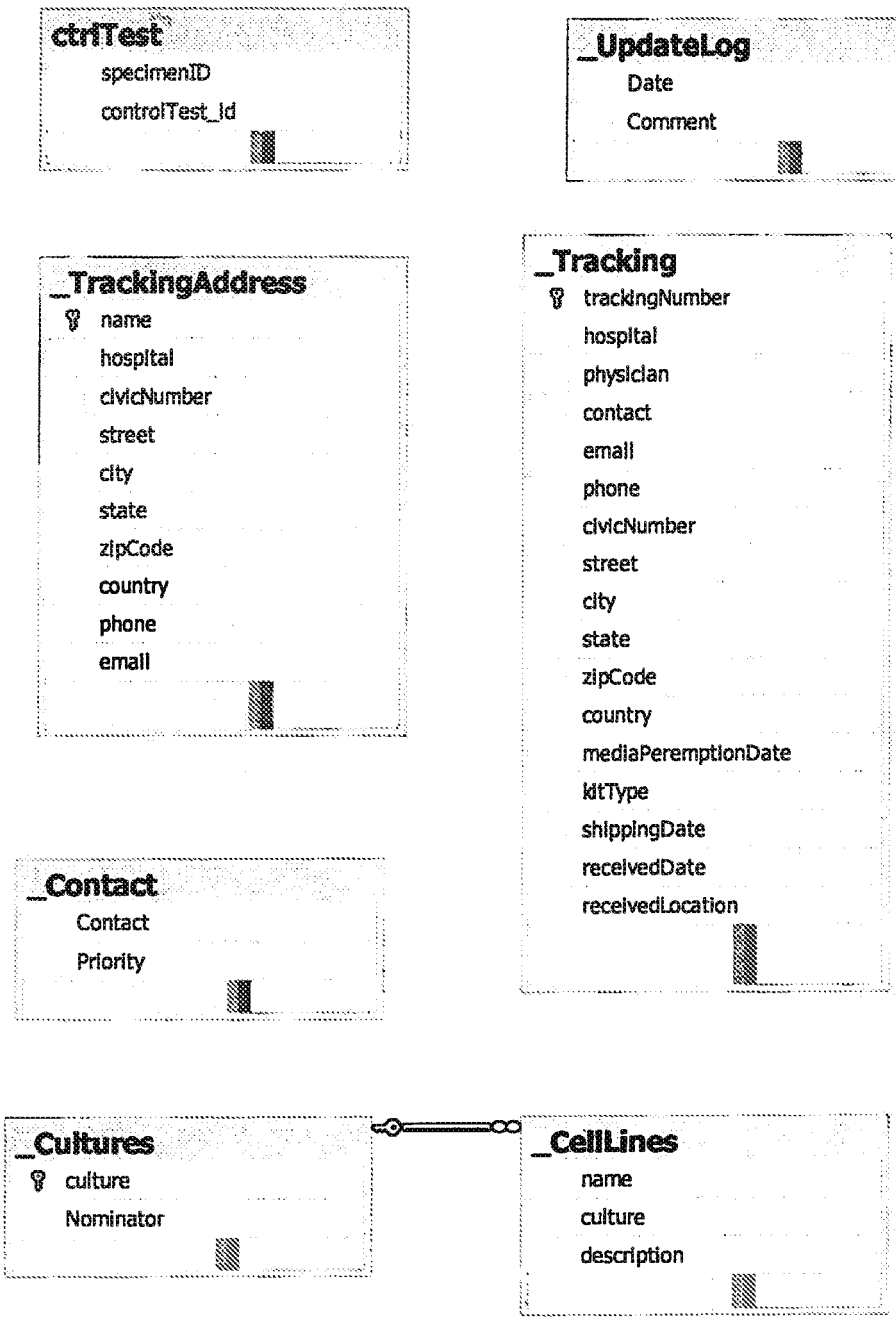

ctrlTest
specimenID
controlTest_Id
_UpdateLog
Date
Comment
_TrackingAddress
name
hospital
civicNumber
street
city
state
zipCode
country
phone
email
_Tracking
trackingNumber
hospital
physician
contact
email
phone
civicNumber
street
city
state
zipCode
country
mediaPeremptionDate
kitType
shippingDate
receivedDate
receivedLocation
_Contact
Contact
Priority
_Cultures
culture
Nominator
_CellLines
name
culture
description

FIG. 47A

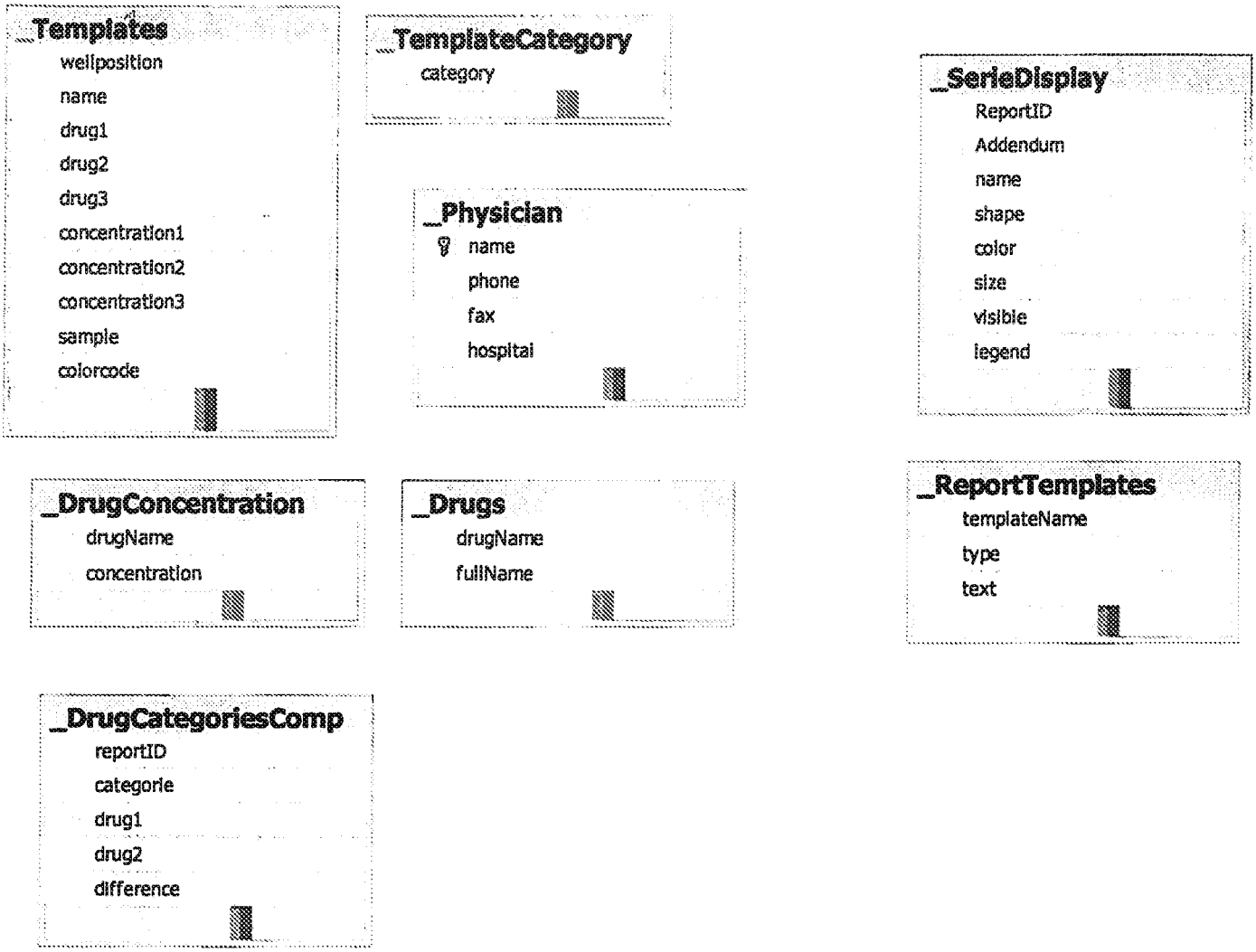
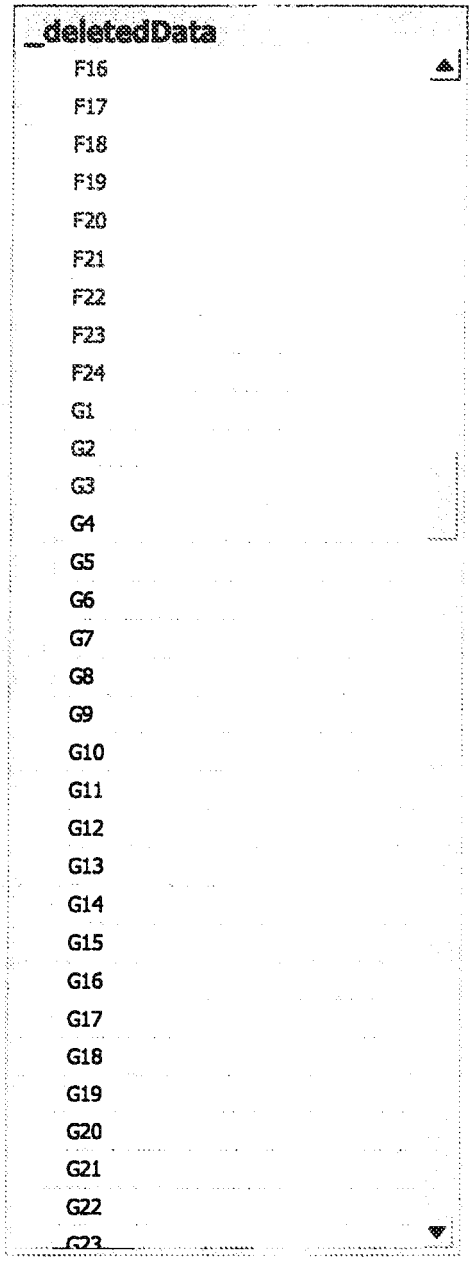

_Templates
wellposition
name
drug1
drug2
drug3
concentration1
concentration2
concentration3
sample
colorcode
_TemplateCategory
category
_Physician
name
phone
fax
hospital
_SerieDisplay
ReportID
Addendum
name
shape
color
size
visible
legend
_DrugConcentration
drugName
concentration
_Drugs
drugName
fullName
_ReportTemplates
templateName
type
text
_DrugCategoriesComp
reportID
categorie
drug1
drug2
difference

FIG. 47B


_deletedData
F16
F17
F18
F19
F20
F21
F22
F23
F24
G1
G2
G3
G4
G5
G6
G7
G8
G9
G10
G11
G12
G13
G14
G15
G16
G17
G18
G19
G20
G21
G22
G23

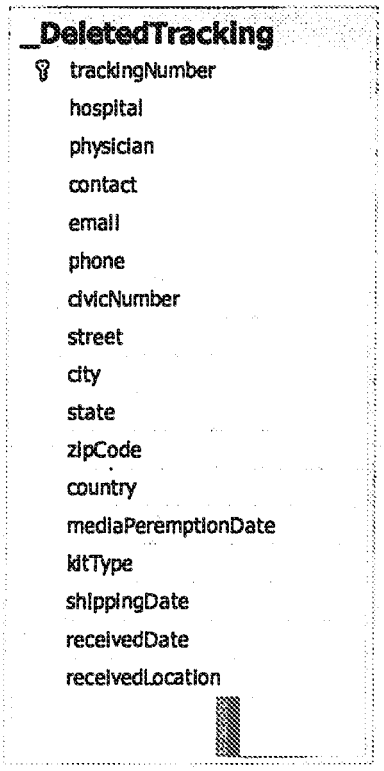

_DeletedTracking
trackingNumber
hospital
physician
contact
email
phone
civicNumber
street
city
state
zipCode
country
mediaPeremptionDate
kitType
shippingDate
receivedDate
receivedLocation

FIG. 47C

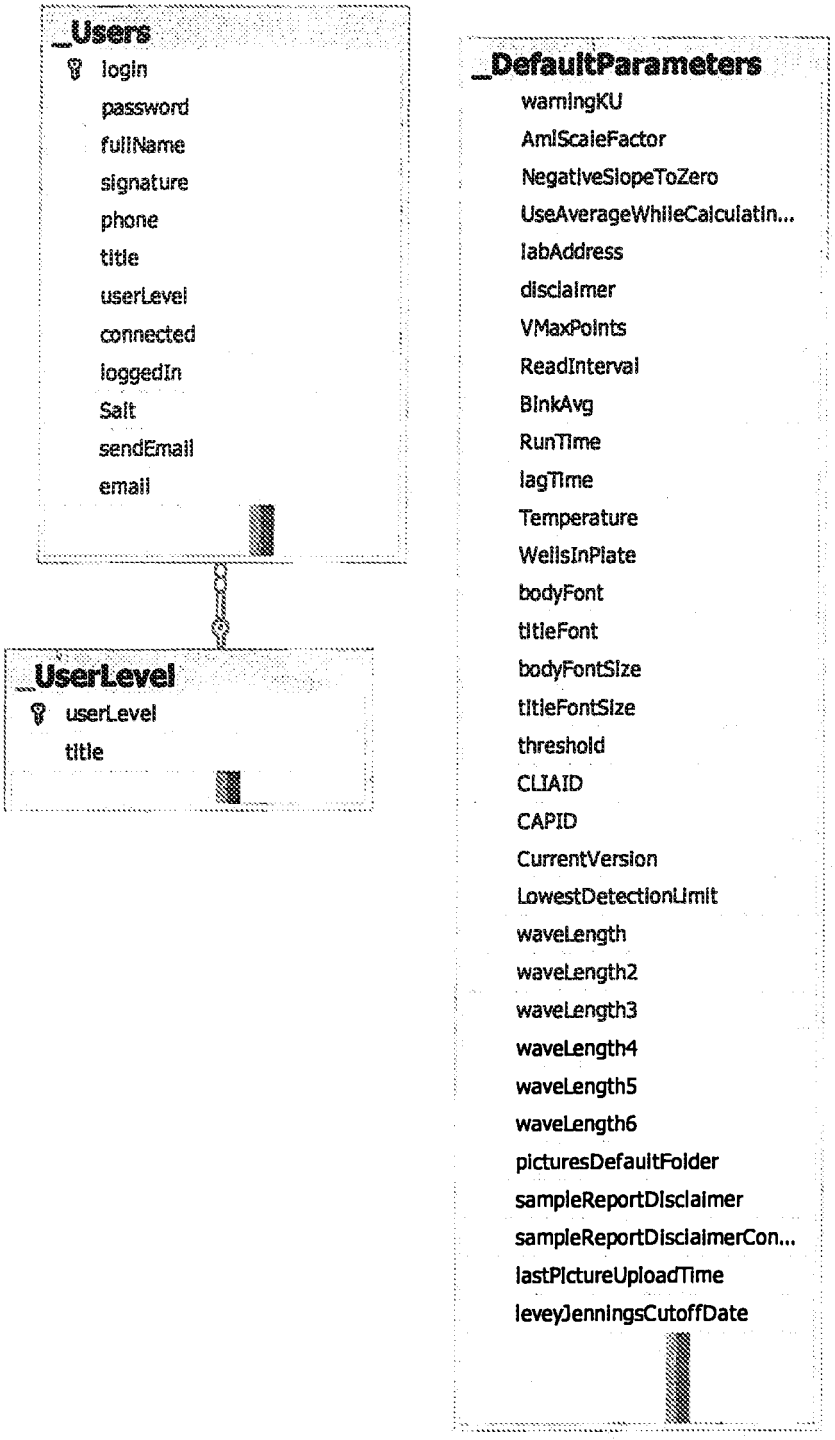

_Users
login
password
fullName
signature
phone
title
userLevel
connected
loggedIn
Salt
sendEmail
email
_UserLevel
userLevel
title
_DefaultParameters
warningKU
AmlScaleFactor
NegativeSlopeToZero
UseAverageWhileCalculatIn...
labAddress
disclaimer
VMaxPoints
ReadInterval
BlnkAvg
RunTime
lagTime
Temperature
WellsInPlate
bodyFont
titleFont
bodyFontSize
titleFontSize
threshold
CLIAID
CAPID
CurrentVersion
LowestDetectionLimit
waveLength
waveLength2
waveLength3
waveLength4
waveLength5
waveLength6
picturesDefaultFolder
sampleReportDisclaimer
sampleReportDisclaimerCon...
lastPictureUploadTime
leveyJenningsCutoffDate

FIG. 47D

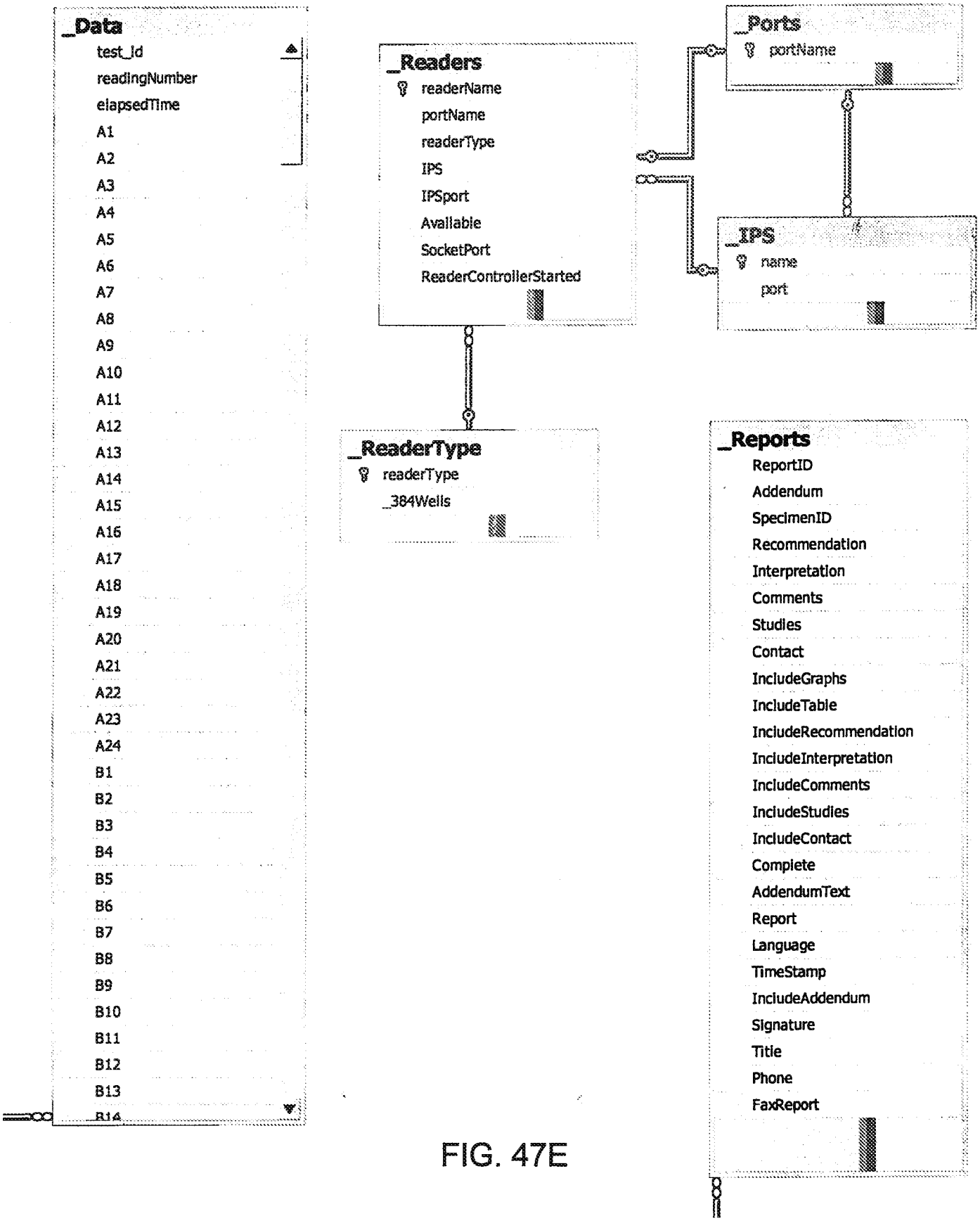

_Data
test_Id
readingNumber
elapsedTime
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18
A19
A20
A21
A22
A23
A24
B1
B2
B3
B4
B5
B6
B7
B8
B9
B10
B11
B12
B13
B14
_Readers
readerName
portName
readerType
IPS
IPSport
Available
SocketPort
ReaderControllerStarted
_Ports
portName
_IPS
name
port
_ReaderType
readerType
_384Wells
_Reports
ReportID
Addendum
SpecimenID
Recommendation
Interpretation
Comments
Studies
Contact
IncludeGraphs
IncludeTable
IncludeRecommendation
IncludeInterpretation
IncludeComments
IncludeStudies
IncludeContact
Complete
AddendumText
Report
Language
TimeStamp
IncludeAddendum
Signature
Title
Phone
FaxReport

FIG. 47E

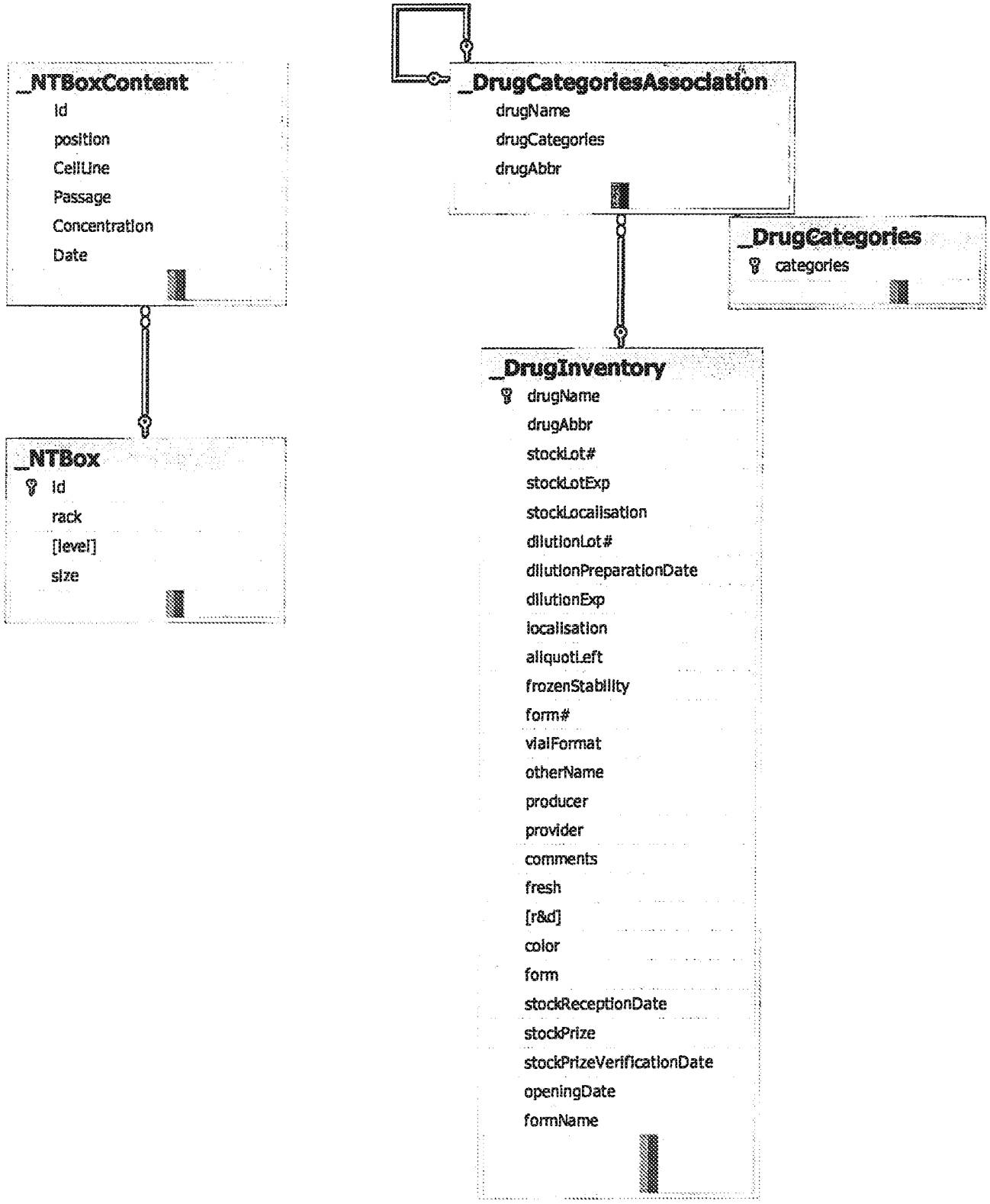

_NTBoxContent
Id
position
CellLine
Passage
Concentration
Date
_NTBox
Id
rack
[level]
size
_DrugCategoriesAssociation
drugName
drugCategories
drugAbbr
_DrugCategories
categories
_DrugInventory
drugName
drugAbbr
stockLot#
stockLotExp
stockLocalisation
dilutionLot#
dilutionPreparationDate
dilutionExp
localisation
aliquotLeft
frozenStability
form#
vialFormat
otherName
producer
provider
comments
fresh
[r&d]
color
form
stockReceptionDate
stockPrize
stockPrizeVerificationDate
openingDate
formName

FIG. 47F

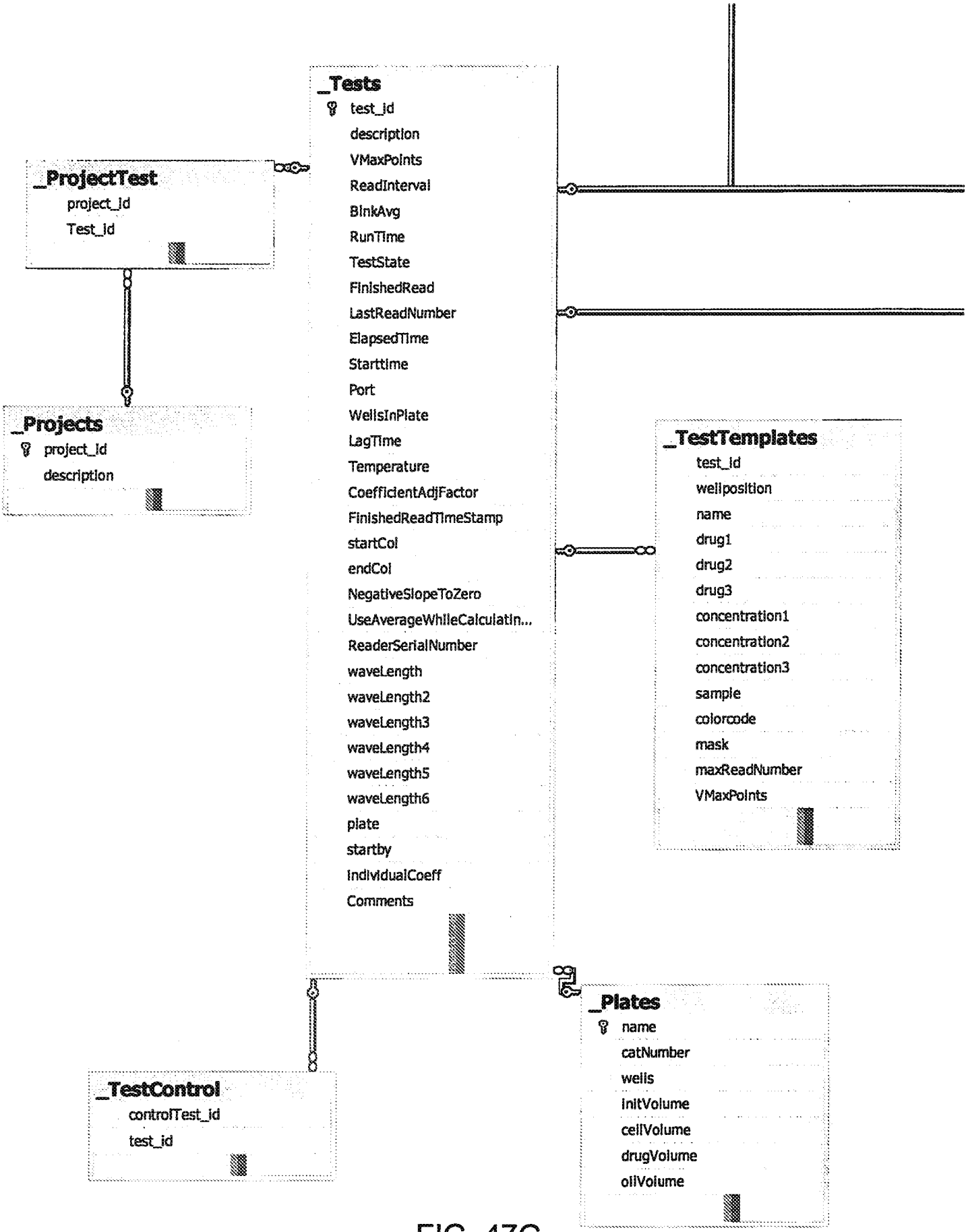

_Tests
test_id
description
VMaxPoints
ReadInterval
BlnkAvg
RunTime
TestState
FinishedRead
LastReadNumber
ElapsedTime
Starttime
Port
WellsInPlate
LagTime
Temperature
CoefficientAdjFactor
FinishedReadTimeStamp
startCol
endCol
NegativeSlopeToZero
UseAverageWhileCalculatin...
ReaderSerialNumber
waveLength
waveLength2
waveLength3
waveLength4
waveLength5
waveLength6
plate
startby
IndividualCoeff
Comments
_ProjectTest
project_id
Test_id
_Projects
project_id
description
_TestTemplates
test_id
wellposition
name
drug1
drug2
drug3
concentration1
concentration2
concentration3
sample
colorcode
mask
maxReadNumber
VMaxPoints
_TestControl
controlTest_id
test_id
_Plates
name
catNumber
wells
initVolume
cellVolume
drugVolume
oilVolume

FIG. 47G

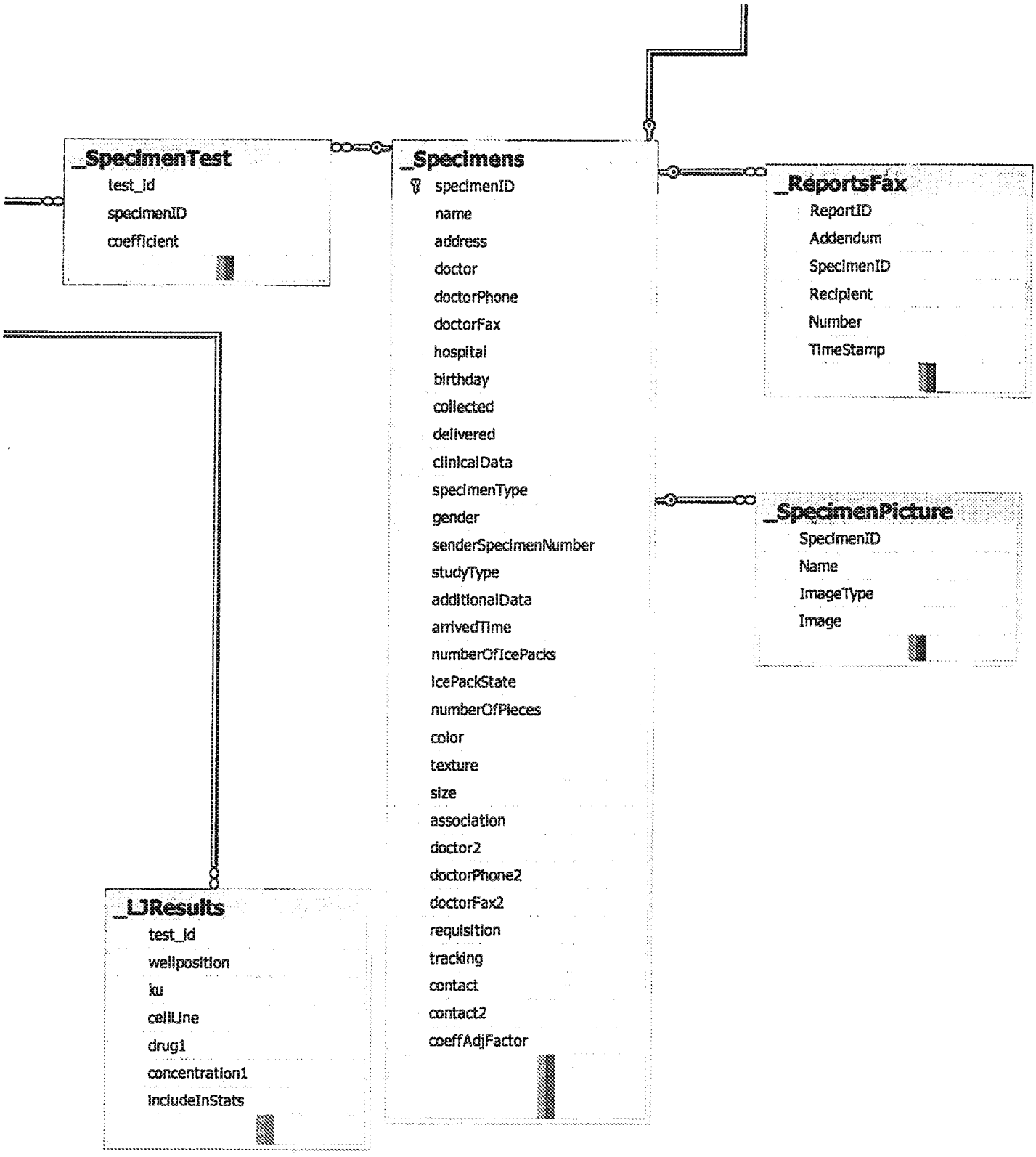

_SpecimenTest
test_Id
specimenID
coefficient
_Specimens
specimenID
name
address
doctor
doctorPhone
doctorFax
hospital
birthday
collected
delivered
clinicalData
specimenType
gender
senderSpecimenNumber
studyType
additionalData
arrivedTime
numberOfIcePacks
icePackState
numberOfPieces
color
texture
size
association
doctor2
doctorPhone2
doctorFax2
requisition
tracking
contact
contact2
coeffAdjFactor
_ReportsFax
ReportID
Addendum
SpecimenID
Recipient
Number
TimeStamp
_SpecimenPicture
SpecimenID
Name
ImageType
Image
_LJResults
test_Id
wellposition
ku
cellLine
drug1
concentration1
includeInStats

FIG. 47H