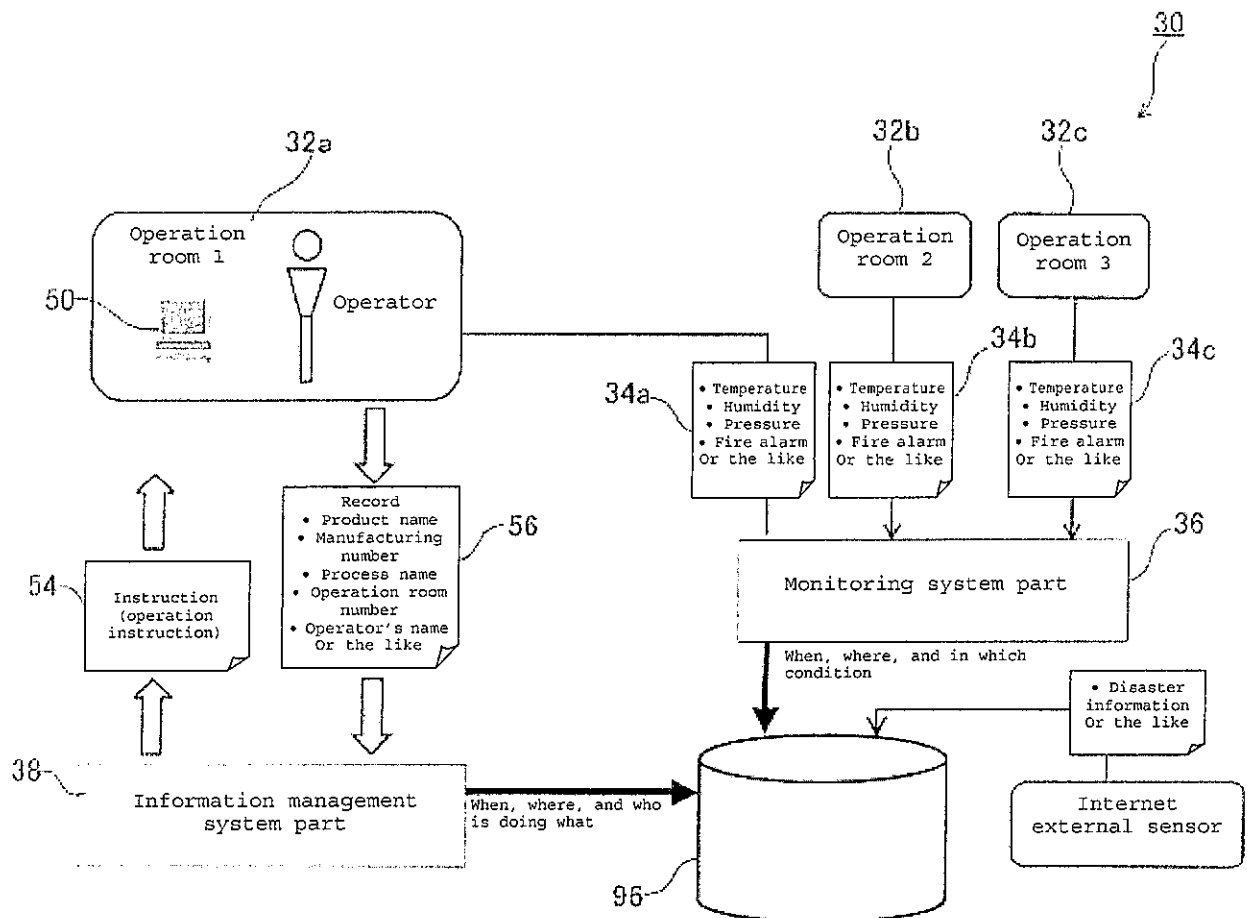


FIG. 1



Appropriate warning toward an operator which matches change in environmental condition and operation process or operation room is databased in advance

FIG. 2

10: Cell processing facility (CPF)

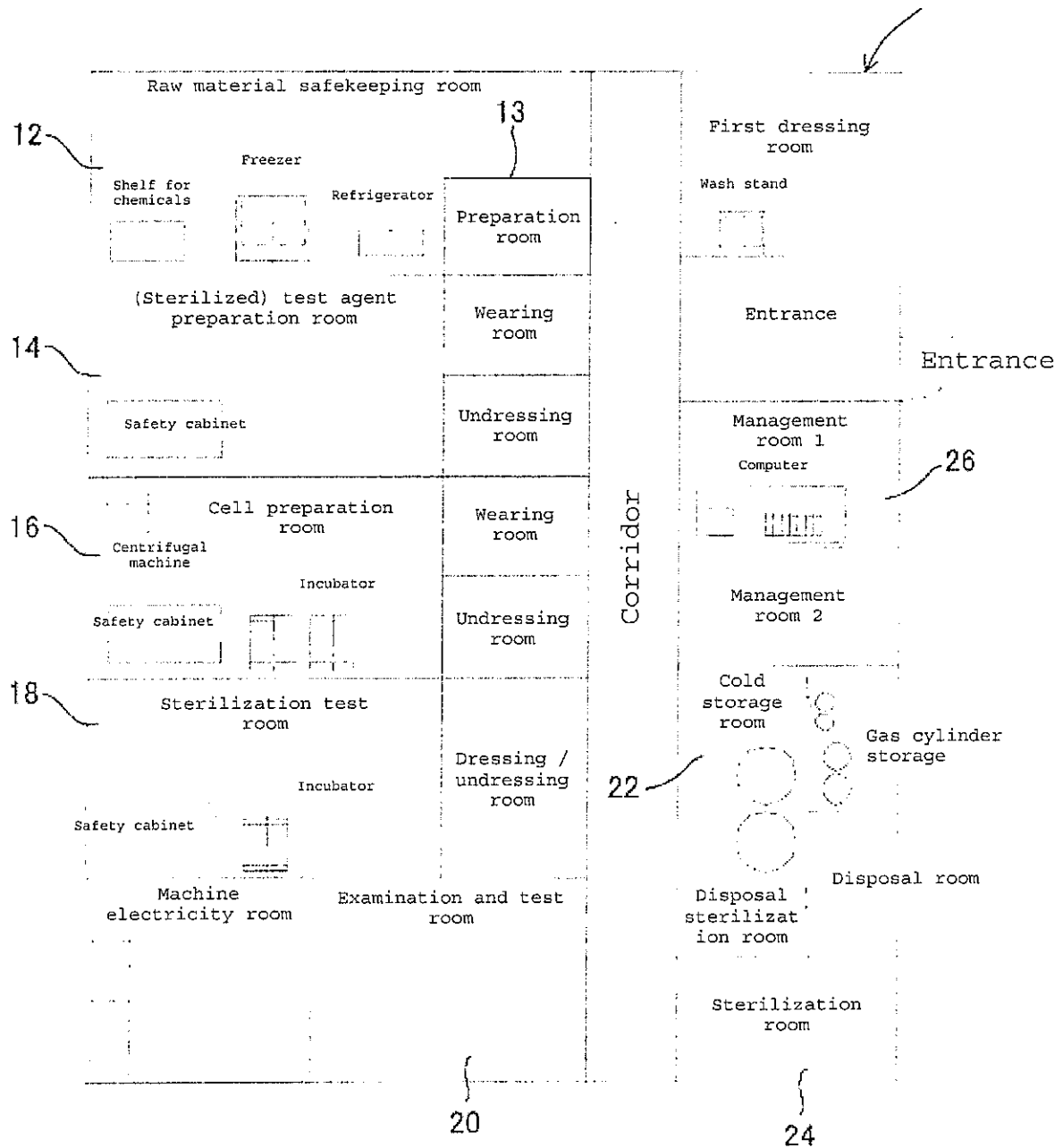


FIG. 3

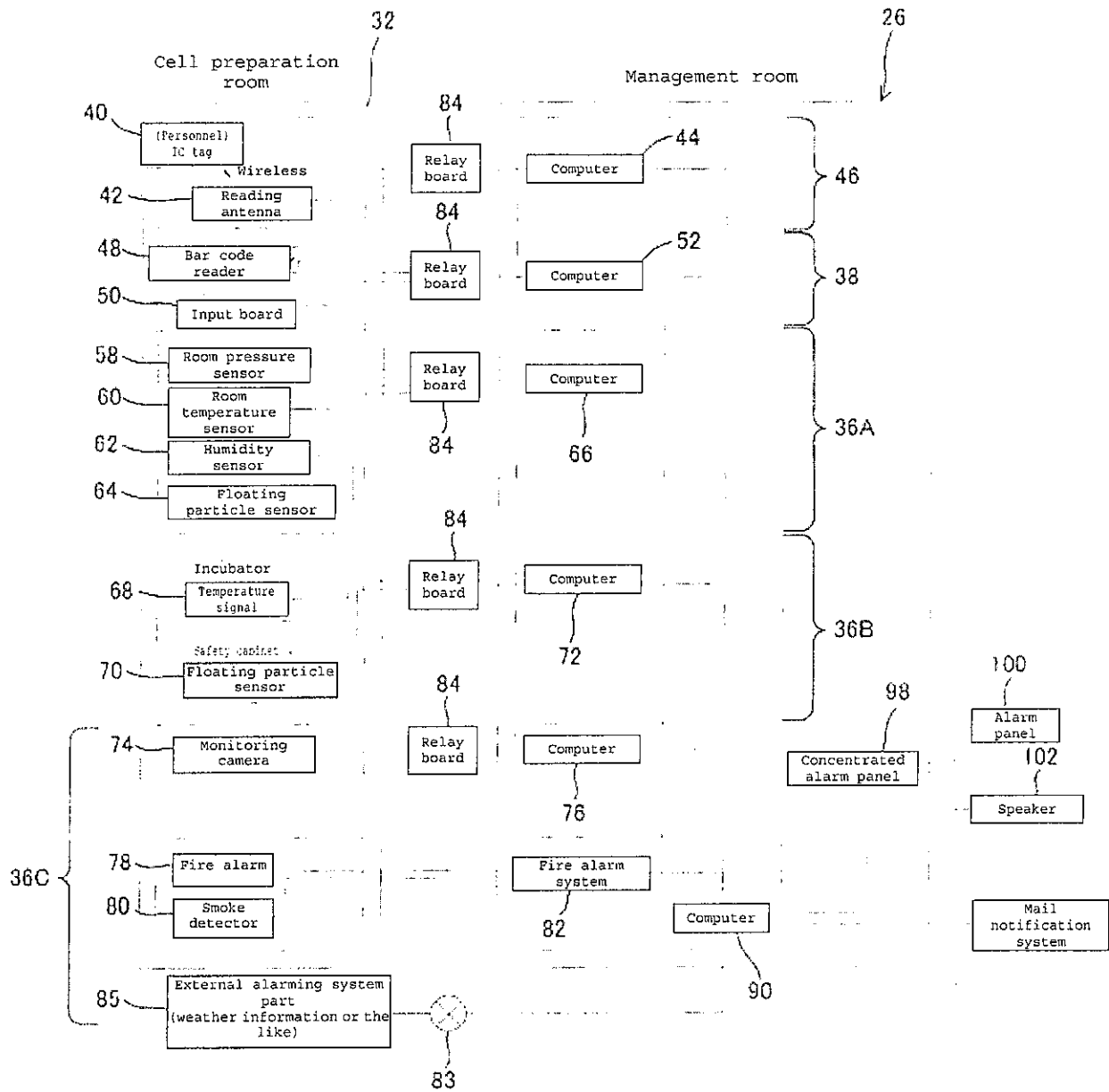


FIG. 4

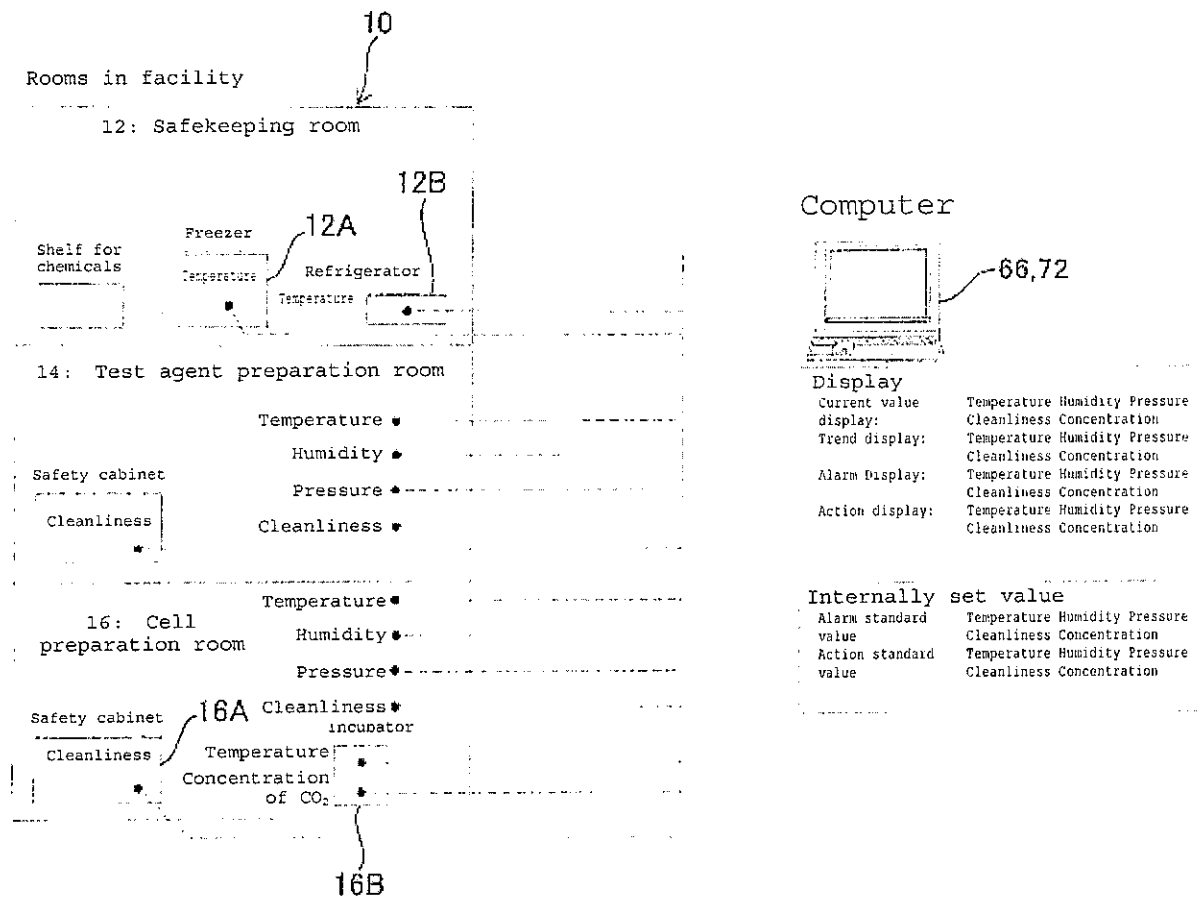


FIG. 5

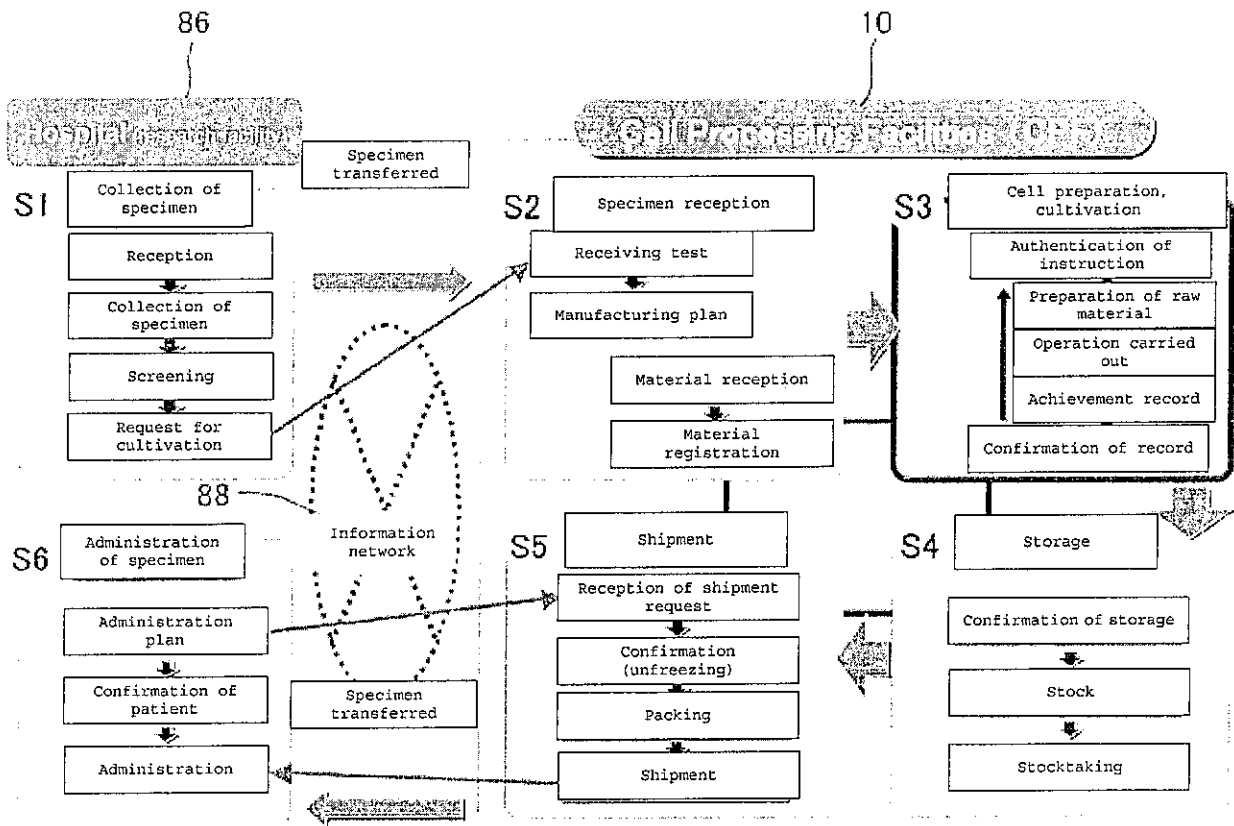
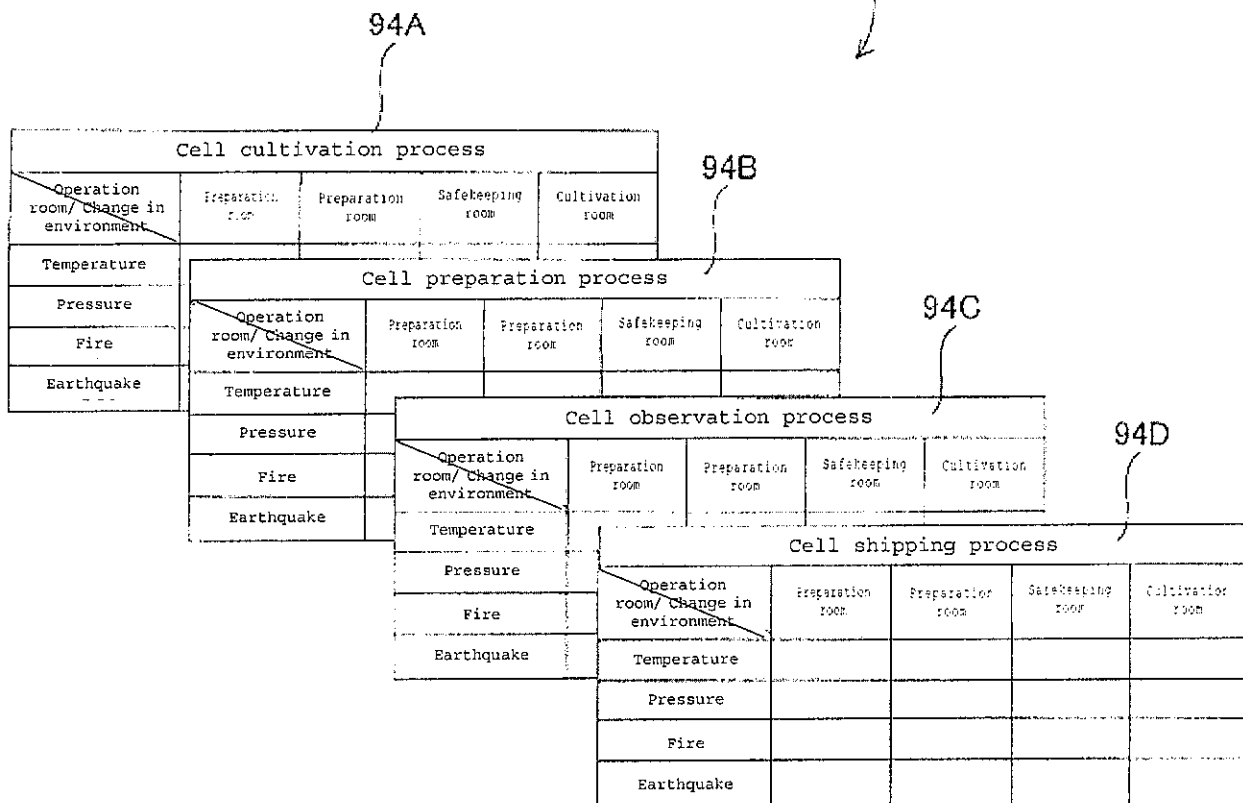


FIG. 6

92: Matrix data



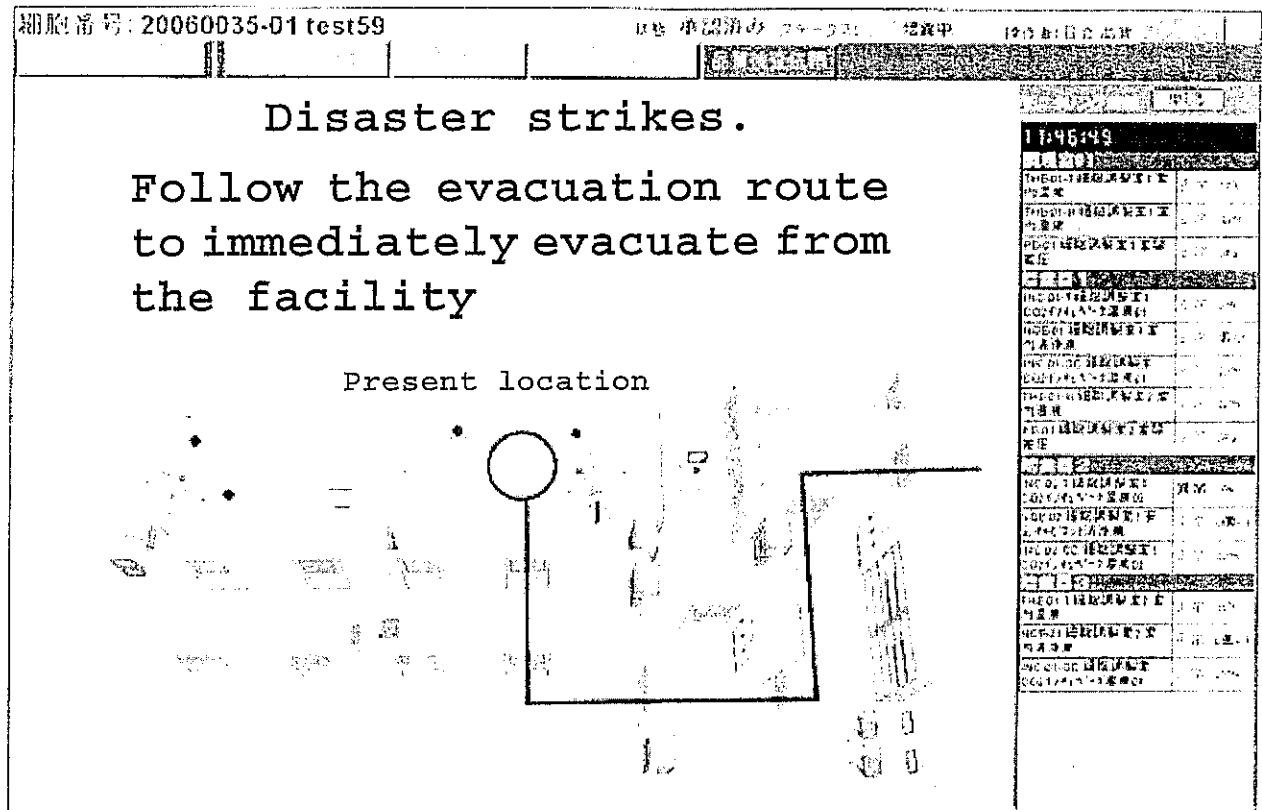


FIG. 8

細胞番号: 20060035-01 test59		検査承認済あり (2011-2-2)		検査中		検査日: 2011-2-2																																																													
製造指圖書名: 培養液		開始		終了		備考																																																													
Disaster strikes. (A) Discard Chemical A currently under usage according to the procedure for discarding. (B) Secure Chemical B currently under preparation according to the procedure																																																																			
						11:46:49 <table border="1"> <tr> <td>000001 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000002 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000003 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000004 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000005 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000006 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000007 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000008 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000009 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000010 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000011 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000012 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000013 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000014 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000015 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000016 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000017 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000018 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000019 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>000020 培養液検査: 主</td> <td>1.00</td> <td>1.00</td> </tr> </table>		000001 培養液検査: 主	1.00	1.00	000002 培養液検査: 主	1.00	1.00	000003 培養液検査: 主	1.00	1.00	000004 培養液検査: 主	1.00	1.00	000005 培養液検査: 主	1.00	1.00	000006 培養液検査: 主	1.00	1.00	000007 培養液検査: 主	1.00	1.00	000008 培養液検査: 主	1.00	1.00	000009 培養液検査: 主	1.00	1.00	000010 培養液検査: 主	1.00	1.00	000011 培養液検査: 主	1.00	1.00	000012 培養液検査: 主	1.00	1.00	000013 培養液検査: 主	1.00	1.00	000014 培養液検査: 主	1.00	1.00	000015 培養液検査: 主	1.00	1.00	000016 培養液検査: 主	1.00	1.00	000017 培養液検査: 主	1.00	1.00	000018 培養液検査: 主	1.00	1.00	000019 培養液検査: 主	1.00	1.00	000020 培養液検査: 主	1.00	1.00
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Fig.9

Location where problem occurred		○				
Location Change in pressure	Preparation and cultivation room 1	Preparation and cultivation room 2	Examination room	Preparation room	Safekeeping room	Management room
Less than $\pm 5\text{Pa}$	-	-	-	-	-	-
Less than $\pm 10\text{Pa}$	-	Pay attention to pressure value	-	Pay attention to pressure value of preparation and cultivation room 2. Be careful when transferring raw material to the cell preparation room 2.	Pay attention to pressure value of preparation and cultivation room 2. Be careful when transferring raw material to the cell preparation room 2.	-
Less than $\pm 15\text{Pa}$	-	Pressure value is at the limit of regulated value	-	Pay attention to pressure value of preparation and cultivation room 2. Postpone transferring raw material to the cell preparation room 2.	Pay attention to pressure value of preparation and cultivation room 2. Postpone transferring raw material to the cell preparation room 2.	-
$\pm 15\text{Pa}$ or more	-	Pressure value is out of regulated value	-	Abnormal pressure value in preparation and cultivation room 2. Confirm preparation of raw material to the cell preparation room 2.	Abnormal pressure value in preparation and cultivation room 2. Confirm preparation of raw material to the cell preparation room 2.	-

FIG.10

Location for alarming Location where fire broke out	Preparation and cultivation room 1	Preparation and cultivation room 2	Examination room	Preparation room	Safekeeping room	Management room
Preparation and cultivation room 1	Fire broke out. Evacuate from an emergency door.	Fire broke out in preparation and cultivation room 1. Discard the specimen and evacuate from an emergency door.	Fire broke out in preparation and cultivation room 1. Discard the specimen and evacuate through an emergency route.	Fire broke out in preparation and cultivation room 1. Discard the raw material and evacuate through an emergency route.	Fire broke out in preparation and cultivation room 1. Evacuate through an emergency route.	Fire broke out in preparation and cultivation room 1. Evacuate through an emergency route with data.
Preparation and cultivation room 2	Fire broke out in preparation and cultivation room 2. Evacuate from an emergency door.	Fire broke out. Evacuate from an emergency door.	Fire broke out in preparation and cultivation room 2. Evacuate from an emergency door.	Fire broke out in preparation and cultivation room 1. Discard the raw material and evacuate through an emergency route.	Fire broke out in preparation and cultivation room 2. Evacuate through an emergency route.	Fire broke out in preparation and cultivation room 2. Evacuate through an emergency route with data.
Examination room	Fire broke out in examination room. Discard the specimen and evacuate from an emergency door.	Fire broke out in examination room. Discard the specimen and evacuate from an emergency door.	Fire broke out. Evacuate from an emergency door.	Fire broke out in examination room. Discard the raw material and evacuate from an emergency door.	Fire broke out in examination room. Evacuate through an emergency route.	Fire broke out in examination room. Evacuate through an emergency route.
Preparation room	Fire broke out in preparation room. Discard the specimen and evacuate from an emergency door.	Fire broke out in preparation room. Discard the specimen and evacuate from an emergency door.	Fire broke out in preparation room. Discard the specimen and evacuate from an emergency door.	Fire broke out. Evacuate from an emergency door.	Fire broke out in preparation room. Evacuate from an emergency door.	Fire broke out in preparation room. Evacuate from an emergency door.
Safekeeping room	Fire broke out in safekeeping room. Preserve the specimen and evacuate through an emergency route.	Fire broke out in safekeeping room. Discard the specimen and evacuate from an emergency door.	Fire broke out in safekeeping room. Discard the specimen and evacuate from an emergency door.	Fire broke out in safekeeping room. Discard the raw material and evacuate from an emergency door.	Fire broke out. Evacuate from an emergency door.	Fire broke out in safekeeping room. Evacuate from an emergency door.
Management room	Fire broke out in management room. Preserve the specimen and evacuate through an emergency route.	Fire broke out in management room. Preserve the specimen and evacuate through an emergency route.	Fire broke out in management room. Discard the specimen and evacuate from an emergency door.	Fire broke out in preparation room. Discard the raw material and evacuate from an emergency door.	Fire broke out in management room. Evacuate from an emergency door.	Fire broke out. Evacuate from an emergency door.