

GeneXpert® Infinity System- Schulung zu Xpertise 6.8



Agenda:

- **Infinity – Überblick**
- **Xpertise Software-Funktionen**
- **Infinity-Dateien**
- **Infinity-Workflow**
- **Anzeigen von Testergebnissen**
- **Datenverwaltung**
- **Kurzer LIS-Überblick**
- **Fehlerbehebung**
- **Ablauf zum Herunterfahren des Systems (Shut Down Protocol)**
- **Wartung**

Infinity – Überblick



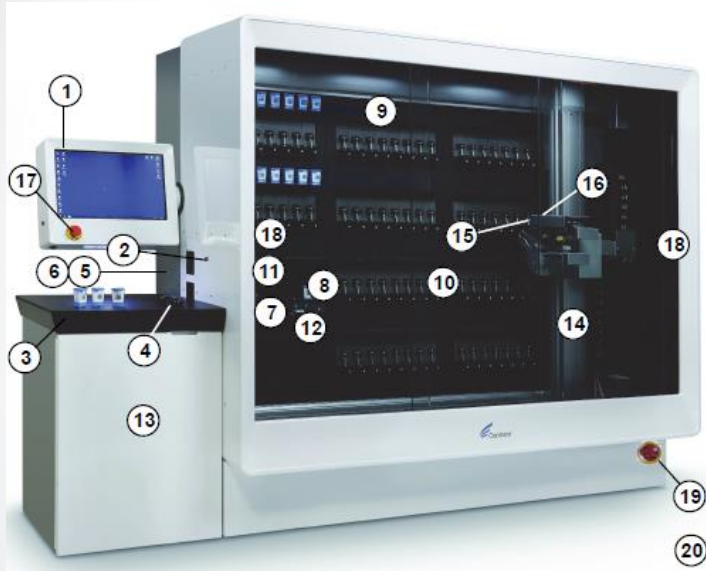
GeneXpert® Infinity Echtzeit-PCR-System



Systemkomponenten

- GeneXpert Infinity
 - Transportband, Roboterarm, Speicher
 - Module
 - Thermisches und optisches System
 - Präzisionsfluidik
- Extraktions- und Reaktionskartuschen
- Reagenzien
 - Trockene und flüssige Reagenzien
- Computer-System
 - Software, Barcode-Scanner, LIS-Schnittstelle und LINK-Konnektivität

GeneXpert® Infinity Komponenten



1 – Monitor mit Berührungsbildschirm

2 – Kiosk-Barcode-Scanner

3 – Tastatur (drahtlos)

4 – Maus (drahtlos)

5 – Kiosk-Computer (im Hauptgeräteschrank)

6 – Eingebetteter Computer
(im Hauptgeräteschrank)

7 – Transportband

8 – Aufnahmebereich

9 – Speicherfächer

10 – GeneXpert Module

11 – Wagen

12 – Abfallfach

13 – Abfallbehälter (nicht sichtbar)

14 – Roboterarmsystem

15 – Greifer

16 – Barcode-Scanner am
Roboterarm

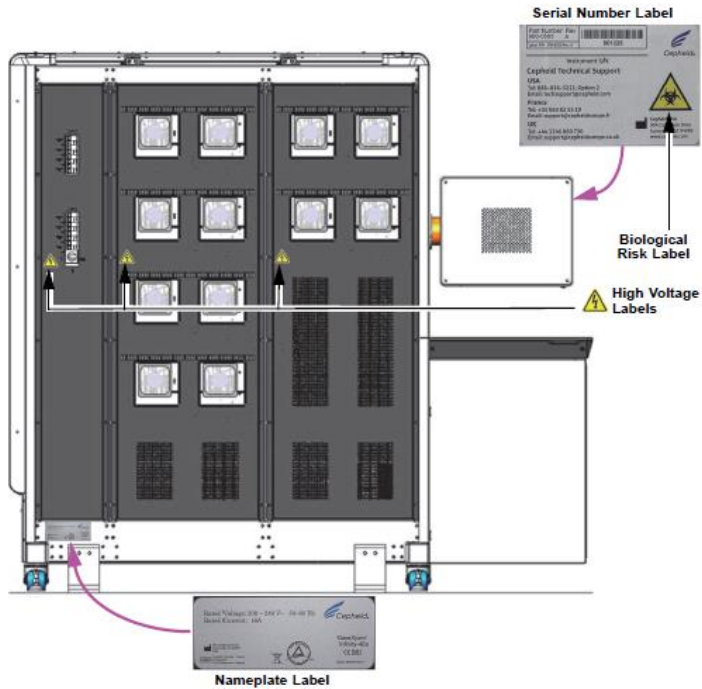
17 – Not-AUS-Taster

18 – Türgriffe links und rechts

19 – USV (nicht sichtbar)

20 – Netzschalter

Ansicht der Rückseite

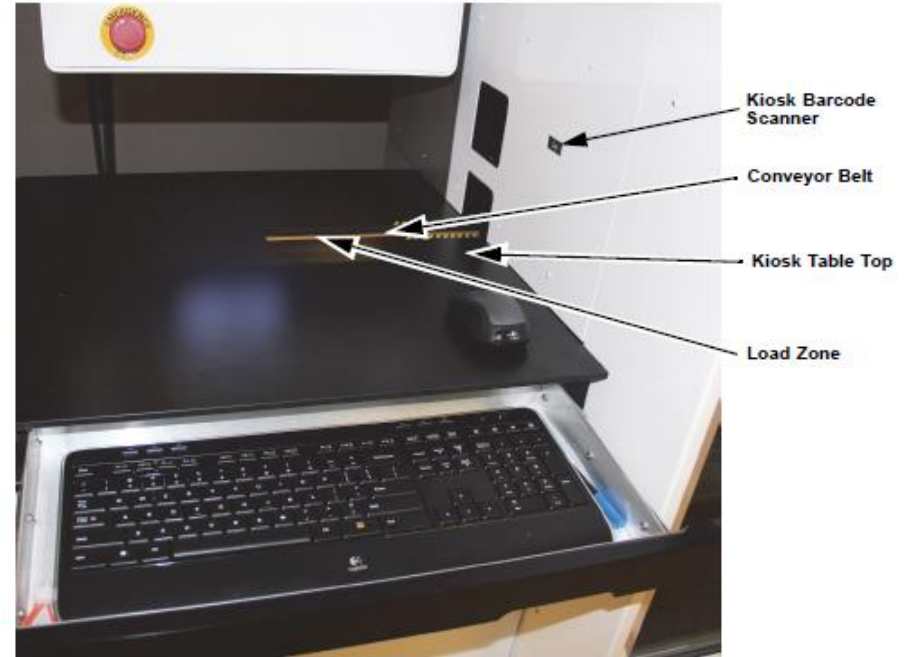
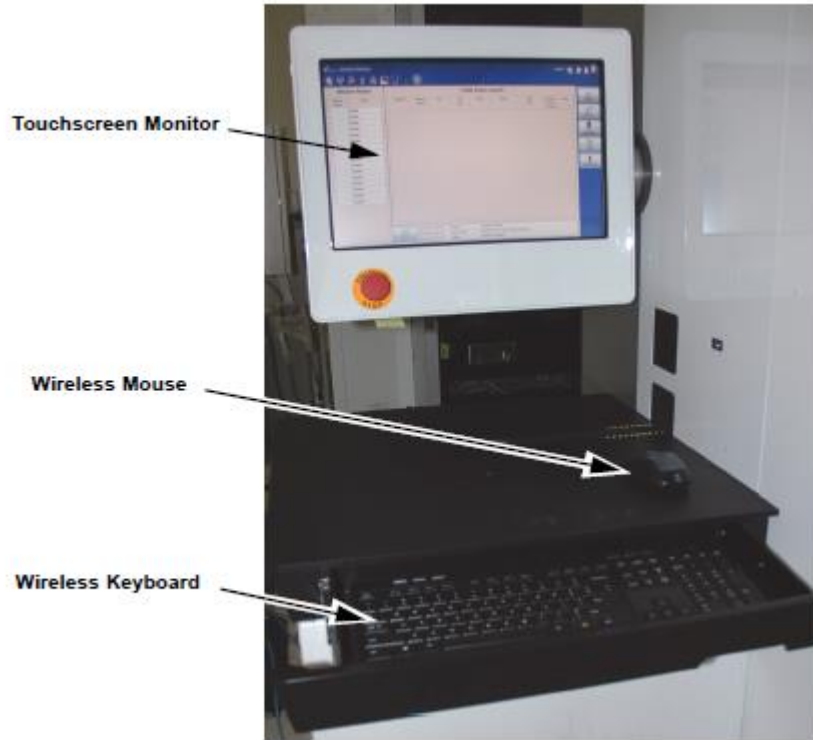


Infinity-48s



Infinity-80

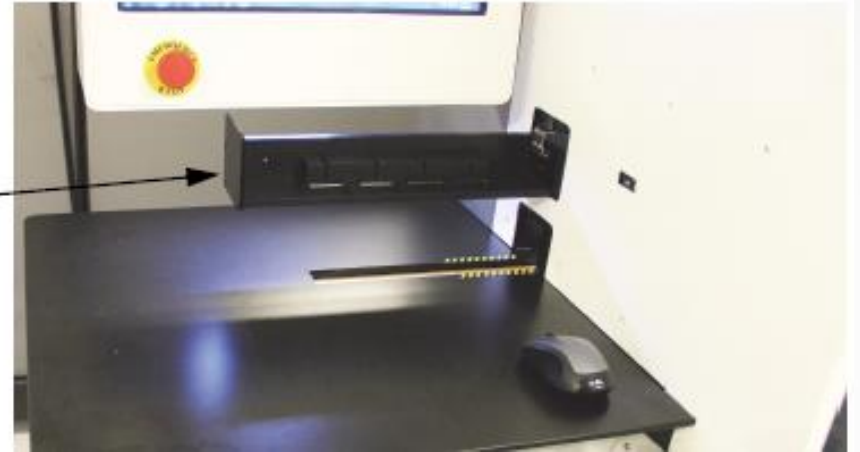
Kiosk-Ansicht



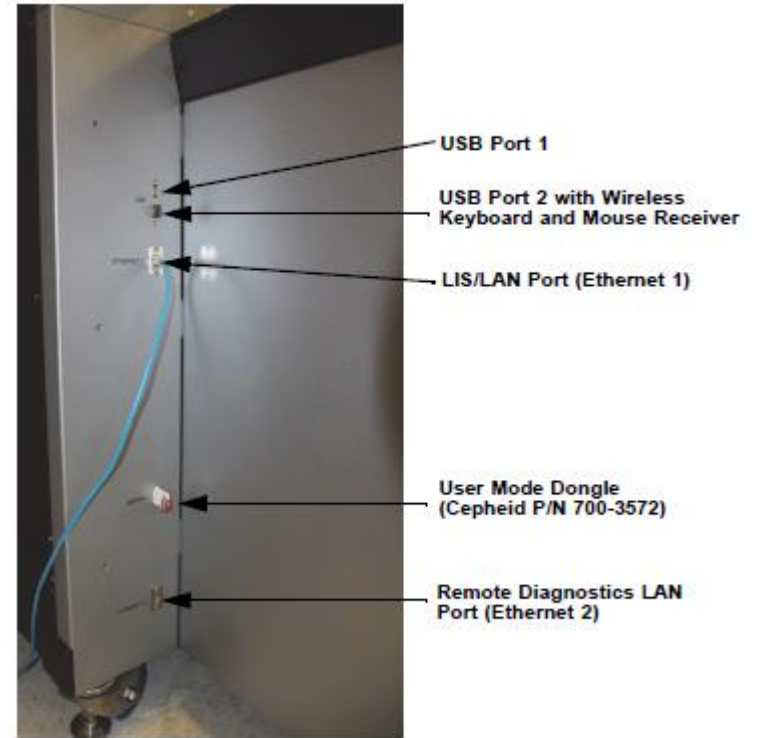
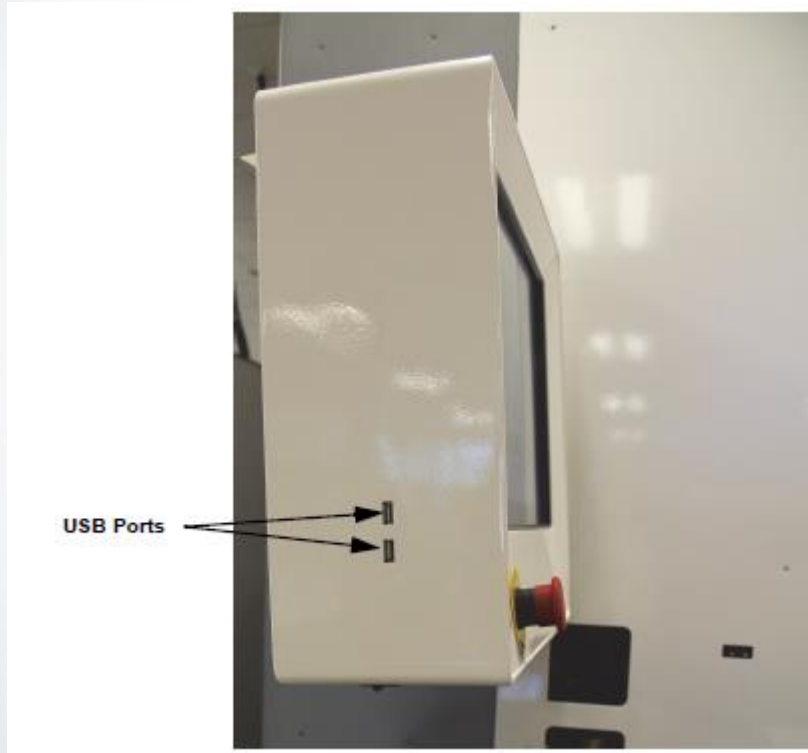
Kiosk-Ansicht – 2



Shuttle Loading
Drawer (Open)



USB- und Ethernetanschlüsse



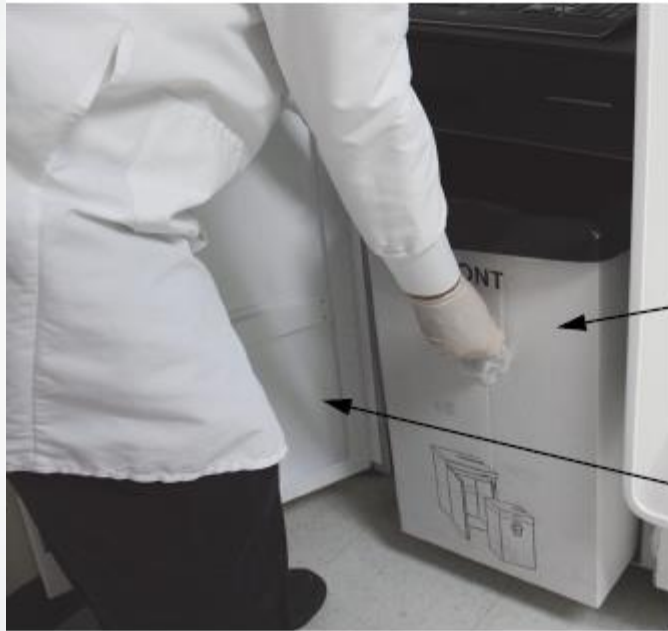
Kiosk-Barcode-Scanner

1 – Kartusche

2 – Barcode-Lesegerät
(eingebaut)



Abfallbehälter



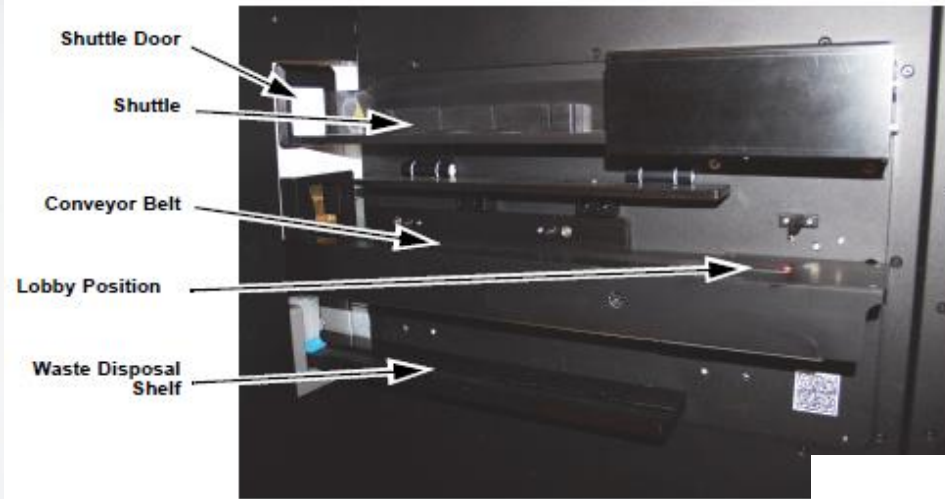
Waste Container
Cepheid P/N 300-9520
(10-Pack Kit)

Waste Access Door

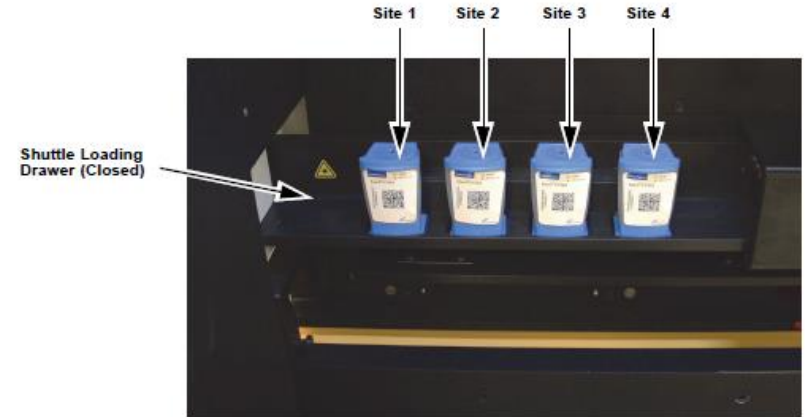


Waste Container Sensor

Aufnahmebereich-Ansicht



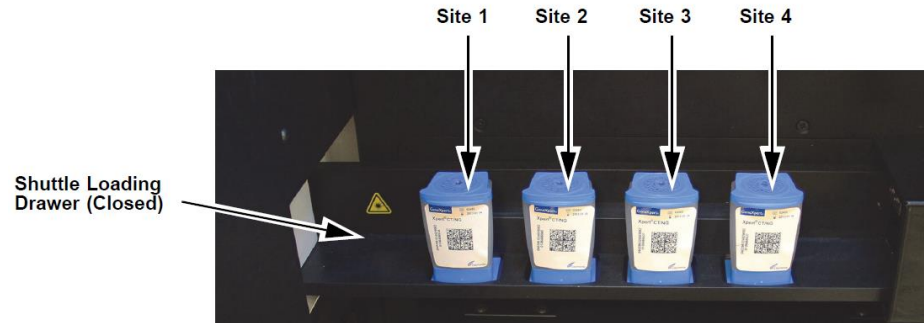
Gefüllter Wagen



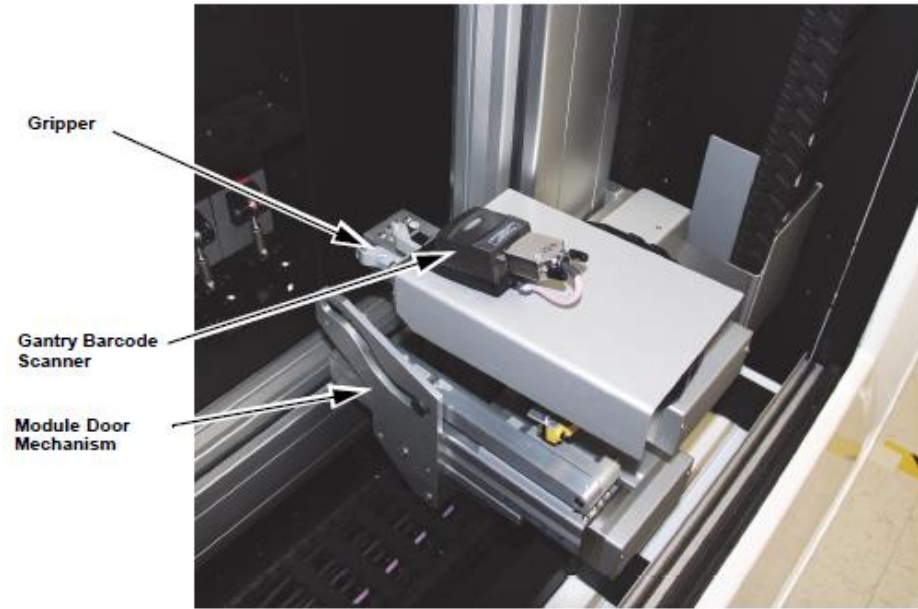
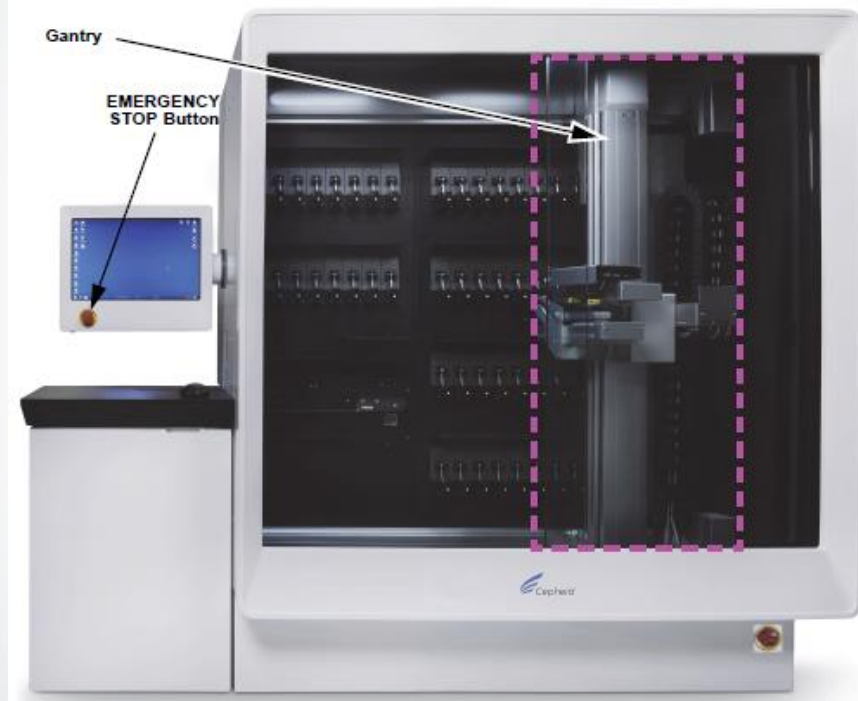
Wagen

Funktion des Wagens:

- Kartuschen mit STAT-Anforderungen laden
- Entnommene oder zurückgewiesene Kartuschen entfernen

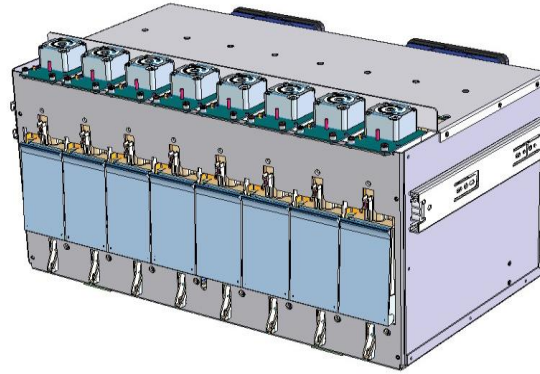


Roboterarm

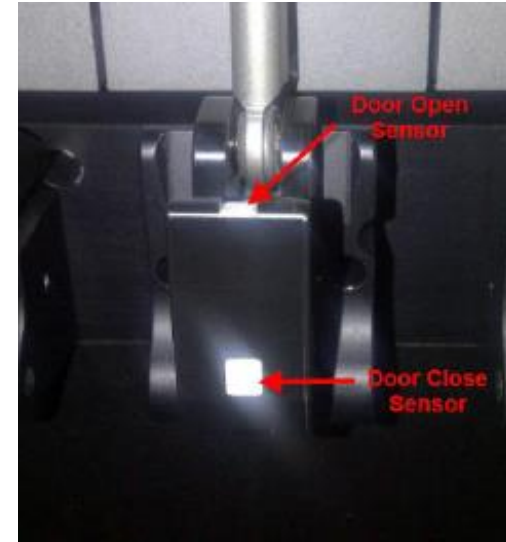
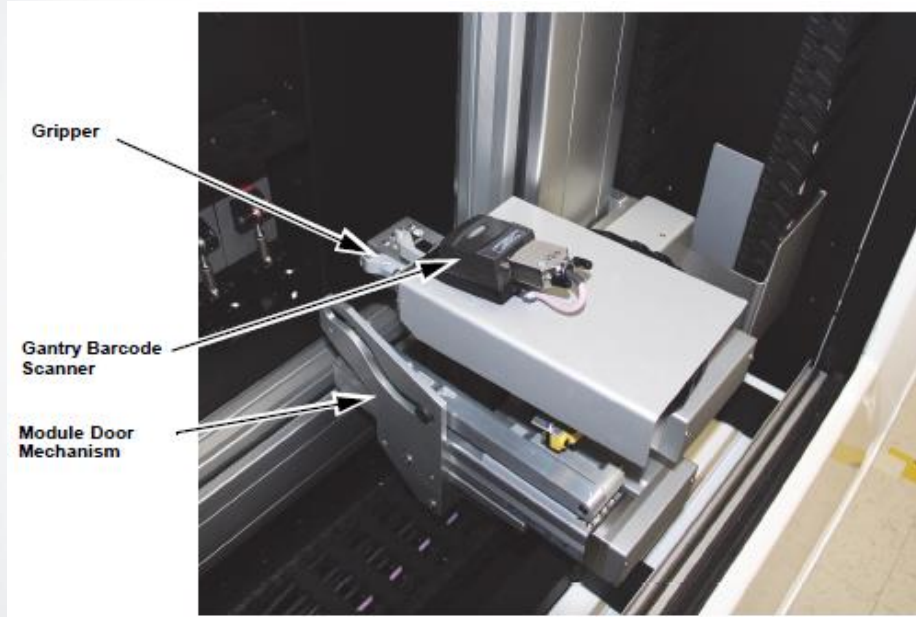


Der Roboterarm besteht aus einem Greifer, einem Barcodescanner und einem Türmechanismus des Moduls

Module – Acht-Pack-Bereich



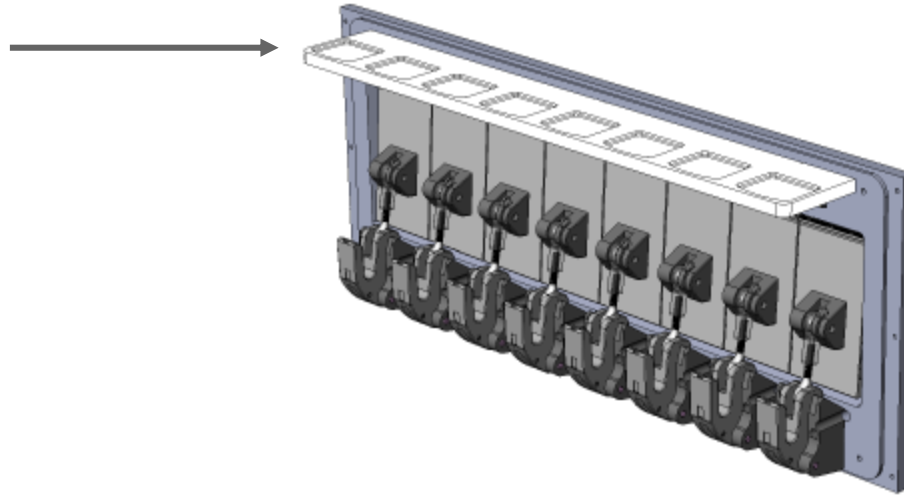
Türmechanismus



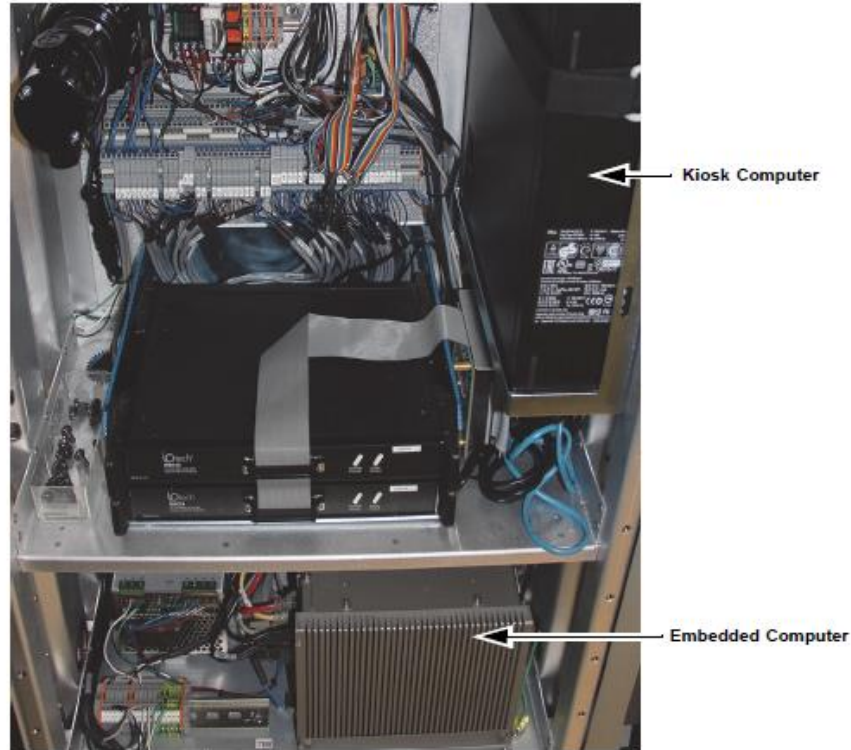
Reflektierende Quadrate zeigen an, ob die Tür offen oder geschlossen ist

Speicher

Speicherfach – 8 Positionen



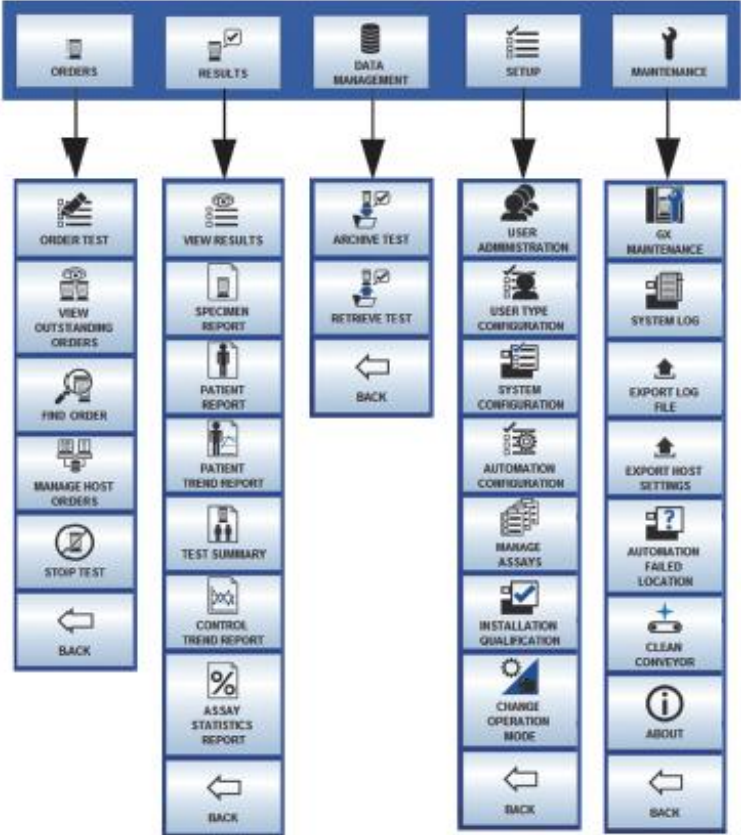
Eingebetteter Computer (im Hauptgeräteschrank)



Xpertise Software-Funktionen



Menübereich-Übersicht (Schnellsuche)



Verfügbare Arbeitsbereiche

Tests Since Launch

Test Type	Result	Assay	Start Date	Estimated Minutes To Result	Status
Test Icons →					
Administration Icons →					
Maintenance Icon →					

- ORDERS
- RESULTS
- DATA MANAGEMENT
- SETUP
- MAINTENANCE

Meldungsprotokoll

Cepheid Xpertise Software

None

Module Status

Module Name	Status
A1	Available
A2	Available
A3	Available
A4	Available
B1	Available
B2	Available
B3	Available
B4	Available
C1	Available
C2	Available
C3	Available
C4	Available
D1	Available
D2	Available
D3	Available
D4	Available
E1	Available
E2	Available
E3	Available
E4	Available
F1	Available
F2	Available
F3	Available

Message Log

Type	Time	Subsystem	Message
	08/04/11 17:31:53	System	Software Initialization Database Integrity Check started
	08/04/11 17:31:53	System	Software Initialization Database Integrity Check completed
	08/04/11 17:33:30	Emergency Stop	Reminder 7202: Emergency Stop de-activated.
	08/04/11 17:33:30	Glass Doors	Reminder 7223: Glass Doors are closed.
	08/04/11 17:33:30	Glass Doors	Reminder 7223: Glass Doors are closed.
	08/04/11 17:33:31	Waste Container	Reminder 7323: Waste access door is unlocked.
	08/04/11 17:33:53	Glass Doors	Reminder 7221: Glass Doors are latched.
	08/04/11 17:33:56	Waste Container	Reminder 7322: Waste access door is locked.
	08/04/11 17:33:31	Waste Container	Reminder 7323: Waste access door is unlocked.
	08/04/11 17:33:53	Glass Doors	Reminder 7221: Glass Doors are latched.
	08/04/11 17:33:56	Waste Container	Reminder 7322: Waste access door is locked.

Das Meldungsprotokoll kann zur Fehlerbehebung als PDF-Datei ausgedruckt werden

Überprüfen der ordnungsgemäßen Installation und des Setups



GeneXpert PC 03/05/19 17:18:13

**GeneXpert® Infinity System
Installation Qualification Report**

This report provides documented evidence of the installation of this GeneXpert® Infinity System.

System Information

Software	Version	Status
Xpertise™ Software	6.8	Pass
Java Runtime Environment	1.8.0_131	Pass
GX_Utils.DLL	0.8.4.0	Pass
SQL Database	2012 (SP3) (KB3072779) - 11.0.6020	Pass
Database	gx_db 3.1.9.0	Pass
Operating System	Windows 7 6.1 Service Pack 1	Pass
CIT Plug-In	1	Pass

Instrument Information
Instrument S/N 805034

Software	Version	Status
Infinity Server	2172.004	Pass
IOServer	1007	Pass

Gateway Name	Gateway S/N	Gateway Firmware
A	712374	2.0.18
B	712375	2.0.18
C	712378	2.0.18

Infinity Planer

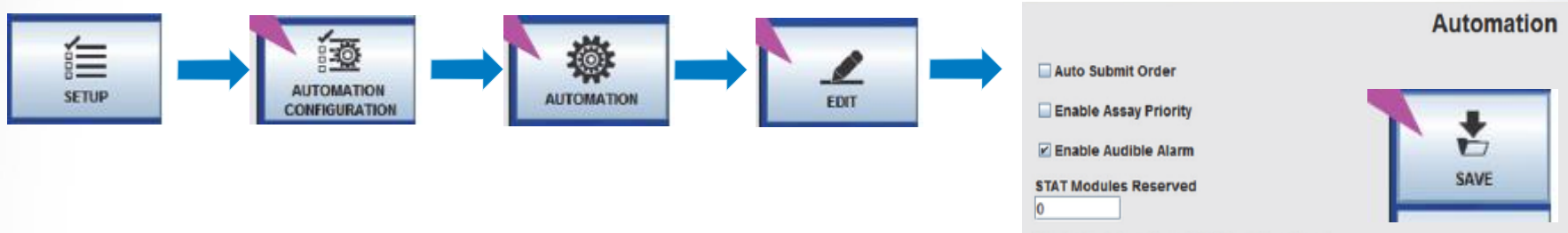
Prioritäten:

- **STAT*:** wird zuerst geladen, es sei denn, es liegt eine Kartusche mit Verfallszeit vor
- **Assay-Stabilität:** Wenn 2 Kartuschen mit gleichen Verfallszeiten vorliegen, wird diejenige mit der höheren Assay-Priorität zuerst geladen
- **Assay-Priorität:** benutzerdefiniert im Menü „Manage Assays“ (Assays verwalten)

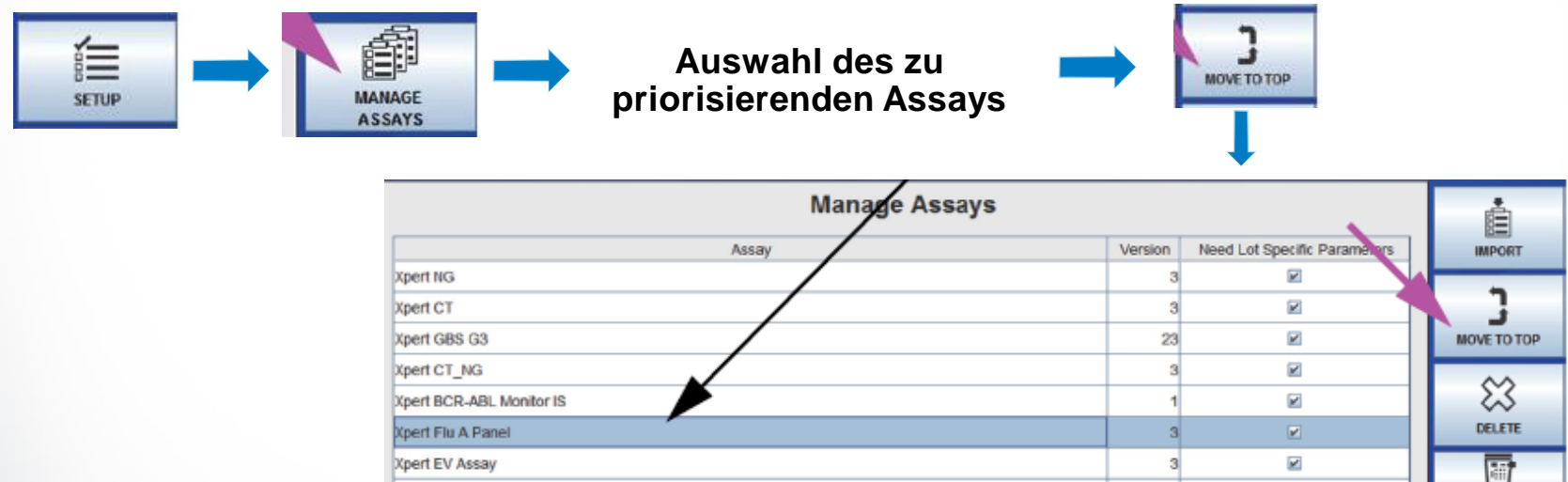
* STAT – lateinisch für statim = sofort

Assay-Priorität

1






2



Überwachung laufender Tests

Module Status		Tests Since Launch									
Module Name	Status	Patient ID	Sample ID	Mod Name	User	Test Type	Result	Assay	Start Date	Estimated Minutes To Result	Status
A1	Available										
A2	Available	738743170...	738743170147	A4	Detail User	Specimen	NO RESULT	Xpert EV Assay	03/05/19 17:59:21	6	Running
A3	Running	H73874317...	S00385762929...	A3	Detail User	Specimen	NO RESULT	Xpert EV Assay	03/05/19 17:59:31	3	Running
A4	Running										
B1	Available										
B2	Available										

View Another Test										
Sample ID <small>(Use '_' as a single letter wildcard, '%' as multiple letter wildcard)</small>										
Xpert M 03051										
Patient ID	Sample ID	Mod Name	User	Test Type	Result	Assay	Start Date	Estimated Minutes To Result	Status	
kjgflkdjgskl	5489453874538	C1	Administratio...	Specimen	NEGATIVE	Xpert SA Nasal Co...	03/04/19 17:55:51		Done	 VIEW RESULTS  FIND  CLOSE
D205145	Xpert M 03051	A1	Administratio...	Specimen	NO RESULT	Xpert MRSA Assa...	03/04/19 16:23:45		Aborted	
	Xpert M 03051	D4	Administratio...	Specimen	NEGATIVE	Xpert MRSA_SA B...	03/04/19 16:23:24		Done	
	Xpert G 03051...	D3	Administratio...	Specimen	ERROR	Xpert GBS	03/05/19 16:22:59		Incomplete	
D205145	Xpert v 030518	D1	Administratio...	Specimen	NEGATIVE	Xpert vanA	03/04/19 16:22:34		Done	
D205145	Xpert M 03051	B4	Administratio...	Specimen	NEGATIVE	Xpert MRSA Assa...	03/05/19 16:22:08		Done	
	Xpert M 03051	C1	Administratio...	Specimen	NEGATIVE	Xpert MRSA_SA B...	03/05/19 16:21:23		Done	
D205145	Xpert M 03051	B3	Administratio...	Specimen	NEGATIVE	Xpert MRSA_SA B...	03/05/19 16:19:02		Done	
	Xpert M 03051	C1	Administratio...	Specimen	NEGATIVE	Xpert MRSA Assa...	03/05/19 16:17:38		Done	



Module aus Test ausschließen

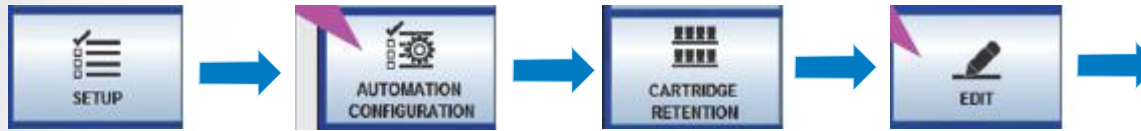


Alle Module, die deaktiviert wurden, werden im Abschnitt Modulstatus gelb gekennzeichnet.

The screenshot shows the 'Exclude Modules From Test' dialog box. It contains a table with the following columns: Module Name, Status, Module S/N, and Estimated Minutes To Result. The table lists 16 modules (A1-D4). Modules B1, B2, and D1 are checked in the selection column. The 'SAVE' and 'CANCEL' buttons are visible on the right side of the dialog box. A pink arrow points to the 'SAVE' button.

	Module Name	Status	Module S/N	Estimated Minutes To Result
<input type="checkbox"/>	A1	Available	642969	
<input type="checkbox"/>	A2	Available	642999	
<input type="checkbox"/>	A3	Available	643030	
<input type="checkbox"/>	A4	Available	642845	
<input checked="" type="checkbox"/>	B1	Available	643015	
<input checked="" type="checkbox"/>	B2	Available	642812	
<input type="checkbox"/>	B3	Available	642706	
<input type="checkbox"/>	B4	Available	643243	
<input type="checkbox"/>	C1	Available	602699	
<input type="checkbox"/>	C2	Available	612818	
<input type="checkbox"/>	C3	Available	612666	
<input type="checkbox"/>	C4	Available	612816	
<input checked="" type="checkbox"/>	D1	Available	600323	
<input type="checkbox"/>	D2	Available	612666	
<input type="checkbox"/>	D3	Available	612004	
<input type="checkbox"/>	D4	Available	620358	

Zurückhalten von Kartuschen



Verwendete Kartuschen können nach dem Durchlauf zurückgehalten werden. Wenn diese Option gewählt wird, werden die Kartuschen nach dem Abschluss des Durchlaufs auf dem Speicher platziert und können mit dem Wagen entnommen werden.

Retain	Result Color	Possible Result Text
<input type="checkbox"/>	White	See Package Insert
<input type="checkbox"/>	Yellow	See Package Insert
<input type="checkbox"/>	Green	See Package Insert
<input checked="" type="checkbox"/>	Red	See Package Insert
<input type="checkbox"/>	Light Gray	See Package Insert
<input type="checkbox"/>	Light Blue	See Package Insert
<input checked="" type="checkbox"/>	Orange	ERROR
<input type="checkbox"/>	Gray	NO RESULT

Einzelne Kartuschen können während eines laufenden Tests zurückgehalten werden

View Results

Patient ID: H036000216085 Patient ID 2: P394857894943

Sample ID: SD304968854904

Assay: Xpert Flu Version: 3

Test Result > Analyte Result > Detail > Amplification Curve > Errors > History > Support

Result: NO RESULT

Disclaimer

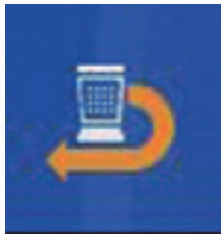
Sample Type: Other Other Sample Type

User: Detail User

Retain Cartridge After Test Completion

Status: CE-IVD, in-vitro-Diagnostikum.

Entnahme zurückgehaltener Kartuschen



Cartridge I/O

Shuttle Accumulator

	Accumulator Site	Needs Attention	Cartridge Status	Priority	Sample ID	Assay	Order Time	Cartridge SN
<input checked="" type="checkbox"/>	1		Rejected	Normal	127856789	Xpert C.diff-Epi	03/05/19 14:45	10015808

OPEN SHUTTLE

FILL SHUTTLE

MOVE TO SHUTTLE

CLOSE

Detailed description: The screenshot shows a software interface for 'Cartridge I/O'. At the top, there are two status indicators: 'Shuttle' (represented by four vertical bars) and 'Accumulator' (represented by four vertical bars). Below these is a table with columns for 'Accumulator Site', 'Needs Attention', 'Cartridge Status', 'Priority', 'Sample ID', 'Assay', 'Order Time', and 'Cartridge SN'. The first row of the table shows '1' in the 'Accumulator Site' column, a red house icon in the 'Needs Attention' column, 'Rejected' in the 'Cartridge Status' column, 'Normal' in the 'Priority' column, '127856789' in the 'Sample ID' column, 'Xpert C.diff-Epi' in the 'Assay' column, '03/05/19 14:45' in the 'Order Time' column, and '10015808' in the 'Cartridge SN' column. To the right of the table is a vertical toolbar with four buttons: 'OPEN SHUTTLE', 'FILL SHUTTLE', 'MOVE TO SHUTTLE', and 'CLOSE'. Four pink arrows point to specific elements: one to the 'Shuttle' indicator, one to the 'Accumulator' indicator, one to the 'Needs Attention' icon, and one to the 'MOVE TO SHUTTLE' button.

Infinity-Dateien



Von Infinity verwendete Dateitypen

Assay-Definition (.gxa)

- Diese Datei enthält die Befehlssequenz für die Probenzubereitung, das Protokoll für thermisches Zyklieren und Analyseinstellungen.
- Die Assay-Definition muss vor dem Scannen der Kartusche in die Software importiert werden.

Chargenspezifische Parameter (.gxr)

- Sollte der Assay einen LSP erfordern, ist dieser im Barcode der Kartusche eingebettet. Der Barcode muss gescannt werden, bevor die Software die LSP erkennen kann.

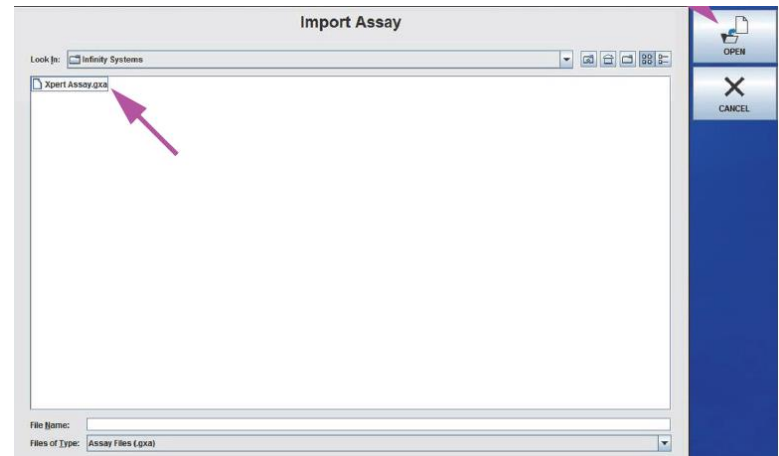
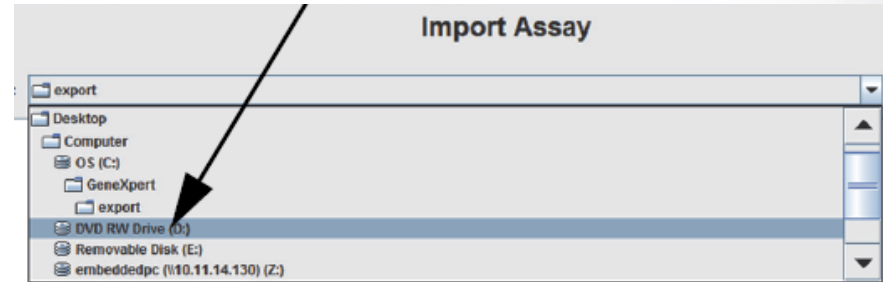
Testlaufdatei (.gxx)

- Archivierte Dateien für Backup und Überprüfung durch den technischen Kundendienst.

Anschließen des externen DVD-Laufwerks an den Infinity



ADF importieren



Hier wird der neue Assay nach dem Import angezeigt.



Manage Assays

Assay	Version	Need Lot Specific Parameters
Xpert BCR-ABL Monitor IS	1	<input checked="" type="checkbox"/>
HIV-1 Quant CE	1	<input checked="" type="checkbox"/>
Xpert GBS	3	<input checked="" type="checkbox"/>
Xpert Flu A Panel	3	<input checked="" type="checkbox"/>
Xpert EV Assay	3	<input checked="" type="checkbox"/>
Xpert MRSA_SA Nasal	1	<input checked="" type="checkbox"/>
Xpert CDIFFICILE	3	<input checked="" type="checkbox"/>

Infinity-Workflow



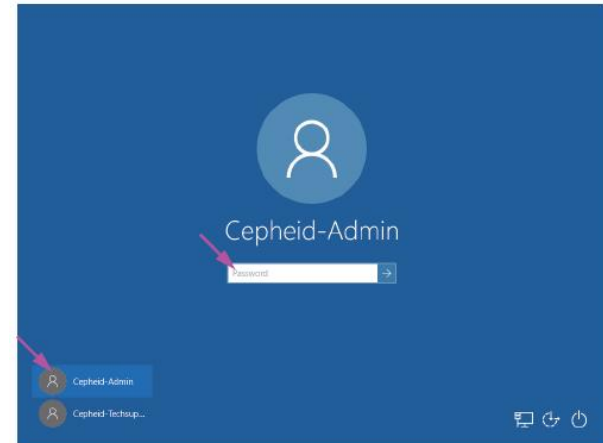
System starten



Hauptnetzschalter auf „On“ (Ein) geschaltet

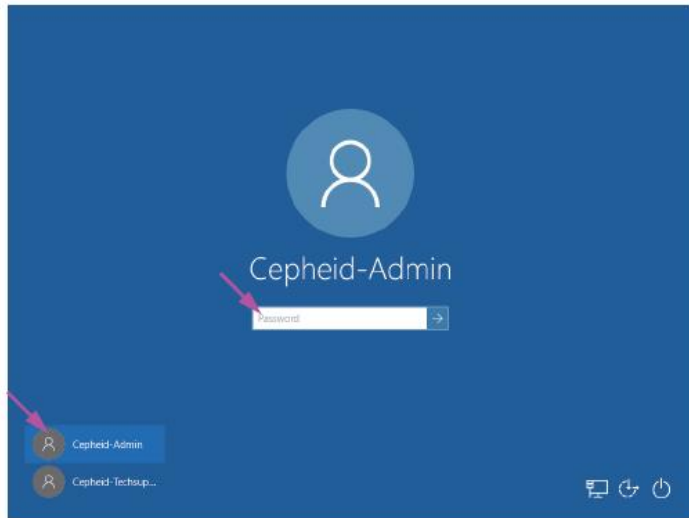


Zwei Minuten warten (System wird hochgefahren). Kiosk-Computer und eingebetteter Computer beginnen mit der Kommunikation



Melden Sie sich nach der Wartezeit (**unbedingt erforderlich!**) mit Ihrem Windows-Passwort an

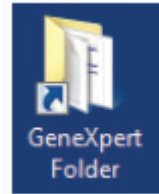
Start- und Desktop-Symbole



Kennwort eingeben, normalerweise „cphd“.



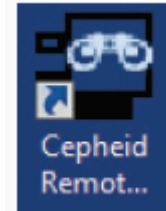
Xpertime Software
(zum Starten
doppelklicken)



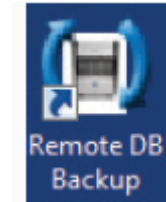
GeneXpert-Ordner



Ablauf zum Herunterfahren des Infinity Systems



Verknüpfung für
Cepheid-
Ferndiagnostik



GX Support
Datenbanksic-
herung

Anmeldung bei der Xpertise Software (optional)

Module Status

Module Name	Status
-------------	--------

Login

User Name
defaf1

Password

03/05/19 17:55:42	System	GeneXpert® Infinity Xpertise Software, version 6.6, started 03/05/19 17:55:42
03/05/19 17:55:43	System	Software initialization Database Integrity Check completed

OK

EXIT

Wenn Benutzer mit Administratorrechten und normale Benutzer definiert wurden, melden Sie sich mit Ihrem Benutzernamen und Ihrem Kennwort an

Bildschirm „Database Management“ (Datenverwaltung) (optional)

Module Status

Module Name	Status
-------------	--------

Database Management

Do you want to perform Database Management tasks?

YES
NO

03/05/19 17:55:42	System	GeneXpert® Infinity Xpertise Software, version 6.7, started 03/05/19 17:55:42
03/05/19 17:55:43	System	Software initialization: Database Integrity Check completed
03/05/19 17:57:06	System	User [Detail User] login.

Wenn diese Funktion nicht in der Systemkonfiguration deaktiviert wurde, ist die Datenverwaltung aktiviert und wird beim Start und Beenden der Software angezeigt.

Test-Archivierungserinnerung (optional)

Module Status

Module Name	Status
A1	Available
A2	Available
A3	Available
A4	Available
B1	Available
B2	Available
B3	Available
B4	Available
C1	Available
C2	Available
C3	Available
C4	Available
D1	Available
D2	Available
D3	Available
D4	Available

Test Archive Reminder

Archive is overdue. Do you want to archive now?

03/05/19 17:50:16 Gantry Reminder 7263: Recovered gantry to safe location.
 03/05/19 17:50:21 System Full Automation Operating Mode
 03/05/19 17:50:21 System Welcome to Genoptert in vitro System

Das gleiche gilt für die Test-Archivierungserinnerung

Module Status

Module Name	Status
A1	Available
A2	Available
A3	Available
A4	Available
B1	Available
B2	Available
B3	Available
B4	Available
C1	Available
C2	Available
C3	Available
C4	Available
D1	Available
D2	Available
D3	Available
D4	Available

Archive Test

Cloak IDs

Purge Selected Tests from List After Archiving (Recommended Monthly)

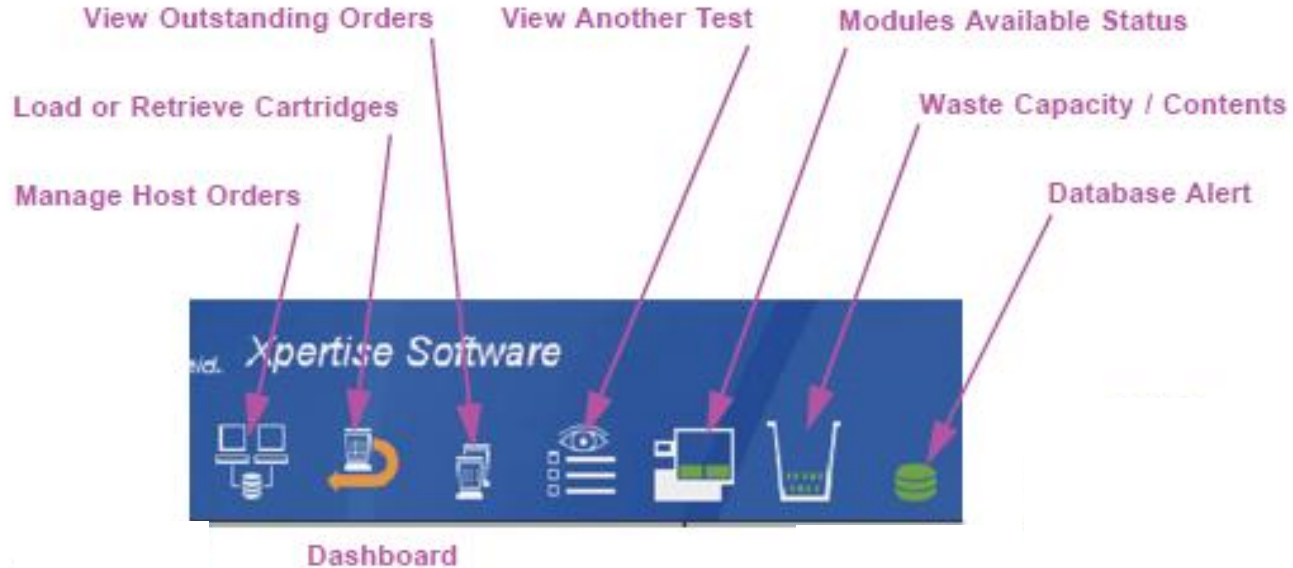
	Patient ID	Sample ID	Mod Name	User	Result	Assay	Status	Error	Start Date
<input type="checkbox"/>	H3518272903	UH489831	C3	<None>	NEGATIVE	xpert COIFF	Done	OK	07/14/18 17...
<input type="checkbox"/>	H1128748957	SD142231	A1	Detail User	NEGATIVE	xpert COIFF	Done	OK	07/30/18 15...
<input type="checkbox"/>	H1128748957	SD142231	A1	Detail User	ERROR	xpert BCR...	Aborted	Error	01/30/18 15...
<input type="checkbox"/>	H3518903826	HG636788	A3	Detail User	HIV-1 DETE...	HIV-1 Quant	Done	OK	05/08/18 15...
<input type="checkbox"/>	H3518903866	FTS49558	A2	Detail User	HIV-1 DETE...	HIV-1 Quant	Done	OK	08/08/18 15...
<input type="checkbox"/>	H3518903826	HG636788	A2	Administrat...	HIV-1 DETE...	HIV-1 Quant	Done	OK	08/09/18 14...
<input type="checkbox"/>	H3518903866	FTS49557	A3	Administrat...	HIV-1 DETE...	HIV-1 Quant	Done	OK	08/09/18 14...
<input type="checkbox"/>	H3518758826	TT555698	B3	Basic User	ERROR	HIV-1 Quant	Aborted	Error	09/16/18 14...
<input type="checkbox"/>	H3518903826	TG478589	B2	Administrat...	HIV-1 NOT ...	HIV-1 Quant	Done	OK	09/16/18 14...
<input type="checkbox"/>	H3518903495	CRS38763	B4	Administrat...	MTB NOT D...	xpert MTB...	Done	OK	09/16/18 13...
<input type="checkbox"/>	H3594038268	KW630987	B3	Administrat...	MRSA NEG.	xpert SA Na...	Done	OK	09/16/18 13...
<input type="checkbox"/>	H3518733826	GH487365	A3	Administrat...	MRSA NEG.	xpert SA Na...	Done	OK	09/16/18 13...
<input type="checkbox"/>	H3518987826	SR543267	A2	Administrat...	MRSA POSI...	xpert SA Na...	Done	OK	10/16/18 13...
<input type="checkbox"/>	H3518903826	Full 55637	B3	Administrat...	MRSA NEG.	xpert SA Na...	Done	OK	10/16/18 13...

SELECT ALL Deselect ALL SELECT HIGHLIGHTED Deselect HIGHLIGHTED SELECT NEW ARCHIVE

OK CANCEL

Falls „Yes“ (Ja) gewählt wurde...

Steuerbereich-Symbole



Weitere wichtige Symbole



Wagen offen



Fehler liegt vor



Glastür nicht verriegelt



Warnsignal
stummschalten



Analyse-Modus



Abfallbehälter
auswechseln/Abfallklappe
schließen



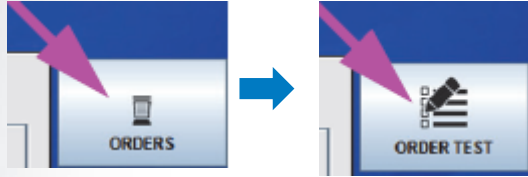
Betrieb im manuellen Modus

Verfügbare Workflows

Es stehen zwei Betriebsarten zur Verfügung:

- Automatischer Modus (normaler Workflow)**
- Manueller Modus (kann benutzt werden, wenn das automatische System nicht voll funktionsfähig ist)**

Anfordern eines Tests im automatischen Modus



Order Test - Sample ID

Scan or type in Sample ID

SD038576292932

Sample ID is successfully scanned when you hear the beep.

STAT Priority

CONTINUE

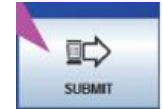
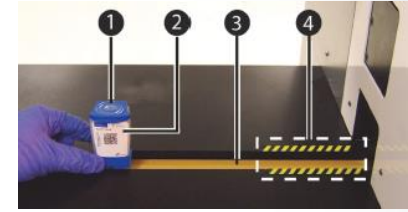
CLEAR ORDER

Patient ID: H738743170147
Patient ID 2: HG49586720395

Last Name: _____ First Name: _____
Name1 Patient

Date of Birth: 1995/03/14 Postal Code: 98765

Gender: Female Ethnicity: White



Order Test - Assay

Scan Cartridge Barcode

Cartridge barcode is successfully scanned when you hear the beep.

CLEAR ORDER

Patient ID: H738743170147
Sample ID: SD038576292932

Patient ID 2: HG49586720395

Last Name: _____ First Name: _____
Name1 Patient

Date of Birth: 1995/03/14 Postal Code: 98765

Gender: Female Ethnicity: White

Priority: Normal



Optional

Anfordern eines Tests im manuellen Modus

The process begins with a home icon, leading to the **ORDERS** screen, then to the **ORDER TEST** screen. The **Order Test - Patient Information** screen features a patient icon with a '#' and a text input field for the Patient ID, which contains 'H203948050934'. Below this is a confirmation message: 'Patient ID is successfully scanned when you hear the beep.' A second input field for 'Patient ID 2' contains 'HG49586720395'. On the right side, there are three buttons: 'CONTINUE', 'DOB CALENDAR', and 'END ORDER TEST'.

The **Order Test - Sample ID** screen displays a sample ID input field with 'SD948375028' and a confirmation message: 'Sample ID is successfully scanned when you hear the beep.' Below the input field, there are fields for 'Patient ID' (H203948050934) and 'Patient ID 2' (HG49586720395). A 'CONTINUE' button is located on the right side.

The **Order Test - Assay** screen shows a cartridge barcode input field and a confirmation message: 'Cartridge barcode is successfully scanned when you hear the beep.' Below the input field, there are fields for 'Patient ID' (H203948050934), 'Sample ID' (SD948375028), and 'Patient ID 2' (HG49586720395). A 'CLEAR ORDER' button is located on the right side.

Anfordern eines Tests im manuellen Modus

Order Test - Test Information

Patient ID
H203948050934

Sample ID
SD948375028

Patient ID 2
HG49506720395

Last Name
Name1

First Name
Patient

SUBMIT

CLEAR ORDER

Order Test - Module Selection

Use this module or select another

Select the module to run the test

A3

CONTINUE

CANCEL ORDER

Manual Load - Remove Used Cartridge

Confirm Module A3 is empty and leave the door open.

Press CONTINUE to proceed.

CONTINUE

CANCEL ORDER

Manual Load - Module Preparation and Self-Test

Standby while Module A3 is being prepared.

Manual Load - Load Cartridge

Load the cartridge in Module A3 with the flashing GREEN light, and close the module door.

Test Start Successful - Ready For Next Test

Successfully started the test.

Press ORDER NEXT TEST to order another test.

Press END ORDER TEST when you are done.

ORDER NEXT TEST



END ORDER TEST

Löschen von Testanforderungen – im automatischen Modus

Order Test - Assay

Scan Cartridge Barcode


Cartridge barcode is successfully scanned when you hear the beep.





A screenshot of a software interface titled "Order Test - Assay". It shows a "Scan Cartridge Barcode" instruction and a message stating that the barcode is successfully scanned when a beep is heard. On the left, there is an image of a cartridge with a red box highlighting the barcode area. On the right, there is a "CLEAR ORDER" button with a refresh icon. A pink arrow points to the button.



Order Test - Assay



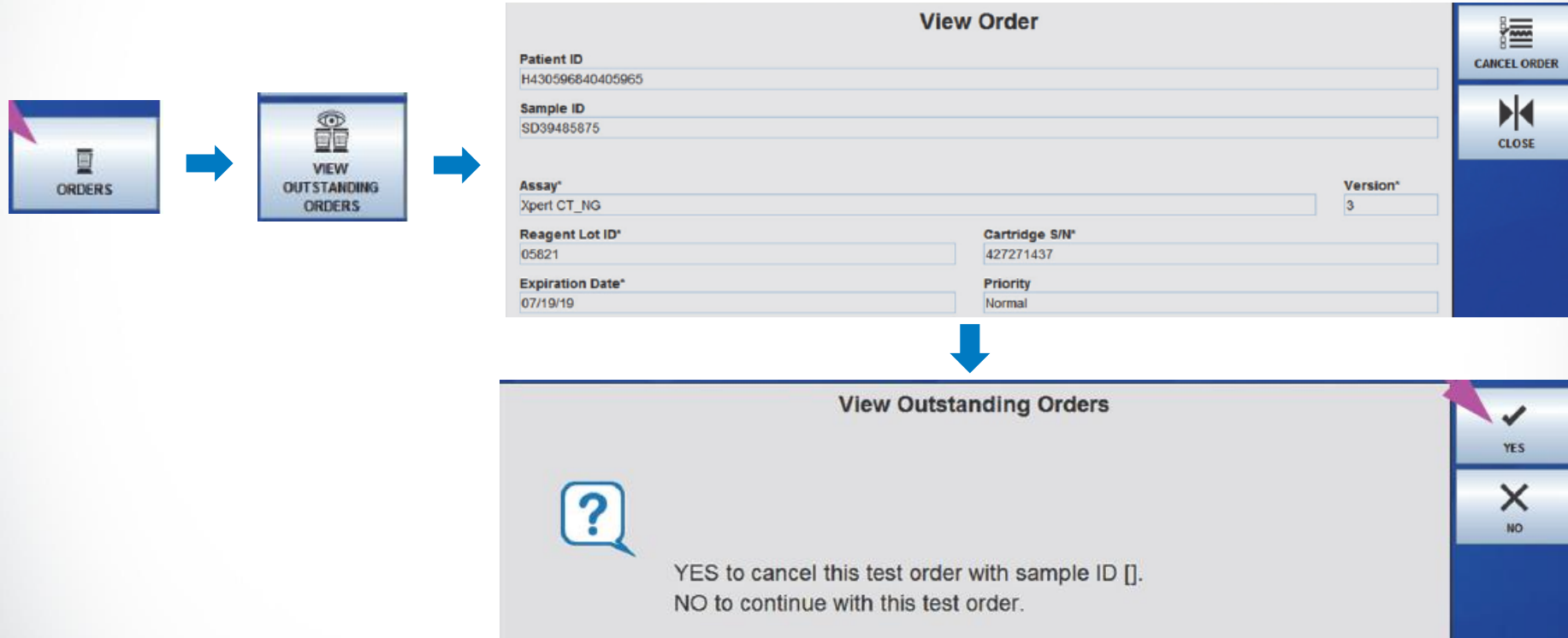
YES to cancel this test order. All input will be cleared and restart from Patient ID entry.
NO to continue with this test order.



A screenshot of a software interface titled "Order Test - Assay". It shows a question mark icon in a speech bubble and two options: "YES" (with a checkmark icon) and "NO" (with an X icon). The "YES" option is described as canceling the test order and clearing all input, while the "NO" option is described as continuing with the test order. On the right, there are two buttons: "YES" with a checkmark icon and "NO" with an X icon. A pink arrow points to the "YES" button.

Löschen von Testanforderungen – im automatischen Modus

Oder (beim Vorliegen von ausstehenden Anforderungen):



Löschen von Testanforderungen – im manuellen Modus

Order Test - Test Information

Patient ID
H203948050934

Sample ID
SD948375028

Patient ID 2
HG49586720395

Last Name **First Name**
Name1 Patient

Date of Birth **Postal Code**
1995/03/13 98765

Gender **Ethnicity**
Female White

Assay* **Version***
Xpert CT_NG 3

Reagent Lot ID* **Cartridge S/N***
07105 443432184

Expiration Date* **Priority**
2020/01/15 Normal


Test Type
Specimen

Sample Type **Other Sample Type**
Other

Notes

SUBMIT

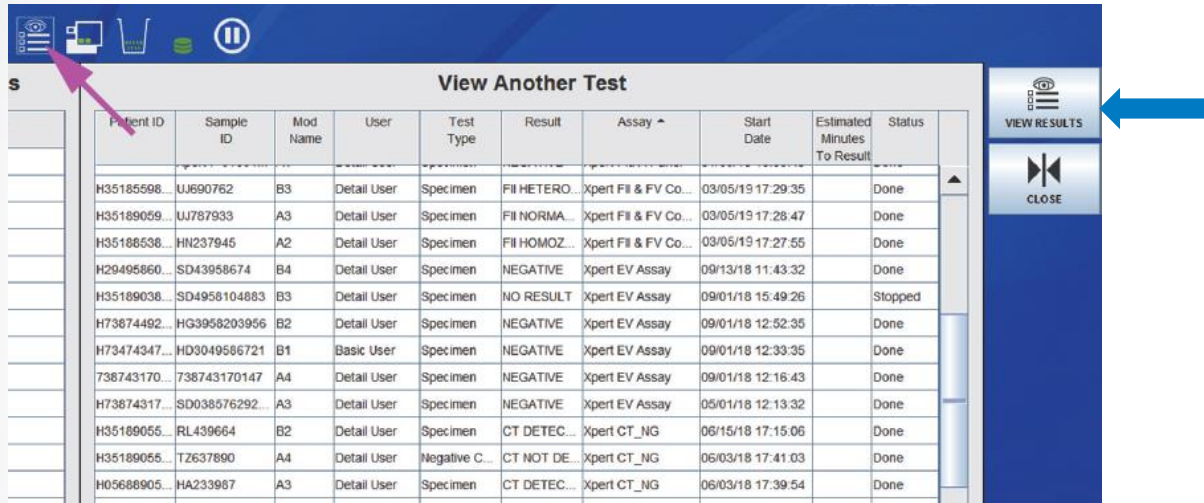
CLEAR ORDER



Anzeigen von Testergebnissen

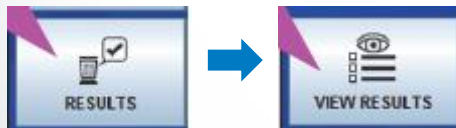


Anzeigen von Testergebnissen



Patient ID	Sample ID	Mod Name	User	Test Type	Result	Assay ^	Start Date	Estimated Minutes To Result	Status
H35185598...	U690762	B3	Detail User	Specimen	Flu HETERO...	Xpert Flu & FV Co...	03/05/19 17:29:35		Done
H35189059...	UJ787933	A3	Detail User	Specimen	Flu NORMA...	Xpert Flu & FV Co...	03/05/19 17:28:47		Done
H35188538...	HN237945	A2	Detail User	Specimen	Flu HOMOZ...	Xpert Flu & FV Co...	03/05/19 17:27:55		Done
H29495860...	SD43958674	B4	Detail User	Specimen	NEGATIVE	Xpert EV Assay	09/13/18 11:43:32		Done
H35189038...	SD4958104883	B3	Detail User	Specimen	NO RESULT	Xpert EV Assay	09/01/18 15:49:26		Stopped
H73874492...	HG3958203956	B2	Detail User	Specimen	NEGATIVE	Xpert EV Assay	09/01/18 12:52:35		Done
H73474347...	HD3049586721	B1	Basic User	Specimen	NEGATIVE	Xpert EV Assay	09/01/18 12:33:35		Done
738743170...	738743170147	A4	Detail User	Specimen	NEGATIVE	Xpert EV Assay	09/01/18 12:16:43		Done
H73874317...	SD038576292...	A3	Detail User	Specimen	NEGATIVE	Xpert EV Assay	05/01/18 12:13:32		Done
H35189055...	RL439664	B2	Detail User	Specimen	CT DETEC...	Xpert CT_NG	06/15/18 17:15:06		Done
H35189055...	TZ637890	A4	Detail User	Negative C...	CT NOT DE...	Xpert CT_NG	06/03/18 17:41:03		Done
H05688905...	HA233987	A3	Detail User	Specimen	CT DETEC...	Xpert CT_NG	06/03/18 17:39:54		Done

Alternativ:



Testergebnis-Anzeige

View Results

Patient ID* Patient ID 2

Sample ID

Assay* Version*

Test Result | Errors | Support

Result
NEGATIVE

Disclaimer
For SW demonstration use only.

Sample Type Other Sample Type

User
Detail User

Status
Done

Notes

Ansicht für normale Benutzer
(drei Registerkarten)

View Results

Patient ID

Sample ID

Assay* Version*

Test Result | Analyte Result | Detail | Amplification Curve | Errors | History | Support

Result
FII NORMAL-
FV NORMAL

Disclaimer
For In Vitro Diagnostic Use Only.

Sample Type Other Sample Type

User
Detail User

Status
Done

Upload Status
Uploaded

Notes

EDIT
REPORT
UPLOAD RESULT
PREVIOUS TEST
NEXT TEST
VIEW ANOTHER TEST
CLOSE

Ansicht für Benutzer mit Administratorrechten (alle Registerkarten)

Sie können zwischen vorherigem und nächstem Test wechseln oder aus der Liste wählen (anderen Test anzeigen). Gilt für alle Benutzertypen!

Ergebnis-Registerkarten – verfügbar für alle Benutzertypen

View Results

Patient ID* Patient ID 2

Sample ID

Assay* Version*

▶ Test Result ▶ **Errors** ▶ Support

Reagent Lot ID*	Assay Type
<input type="text" value="00254"/>	<input type="text" value="In Vitro Diagnostic"/>
Cartridge S/N*	Expiration Date*
<input type="text" value="7506105378"/>	<input type="text" value="12/21/25"/>
Test Type	
<input type="text" value="Specimen"/>	
Priority	
<input type="text" value="Normal"/>	
Start Time	End Time
<input type="text" value="03/05/19 16:22:08"/>	<input type="text" value="03/05/19 17:39:54"/>
Error Status	
<input type="text" value="OK"/>	
S/W Version	Instrument S/N
<input type="text" value="6.8"/>	<input type="text" value="805034"/>
Module Name	Module S/N
<input type="text" value="A3"/>	<input type="text" value="643030"/>

EDIT

REPORT

PREVIOUS TEST

NEXT TEST

VIEW ANOTHER TEST

View Results

Patient ID* Patient ID 2

Sample ID

Assay* Version*

▶ Test Result ▶ **Errors** ▶ Support

#	Description	Detail	Time
1	Post-run analysis error	Error 5007: [SPC] probe check failed. Probe check value of 20.8 for reading number 2 was below the minimum of 26.0	03/05/19 18:40:28

Ergebnis-Registerkarten – nur für Benutzer mit Administratorrechten verfügbar

View Results

Patient ID: Patient ID 2:

Sample ID:

Assay*: Version*:

Analyte Name	Ct	EndPt	Analyte Result	Probe Check Result
CT1	32.1	312	POS	PASS
NG2	0.0	4	NEG	PASS
NG4	0.0	1	NEG	PASS
SAC	0.0	1	NA	PASS
SPC	33.6	271	NA	PASS

View Results

Patient ID: Patient ID 2:

Sample ID:

Assay*: Version*:

Analyte Name	Prb Chk 1	Prb Chk 2	Prb Chk 3	Probe Check Result	2nd Deriv Peak Height	Curve Fit
CT1	239	280	239	PASS	0.0	PASS
NG2	220	273	220	PASS	0.0	NA
NG4	41	52	41	PASS	0.0	NA
SAC	105	86	103	PASS	0.0	NA
SPC	357	390	355	PASS	0.0	NA

View Results

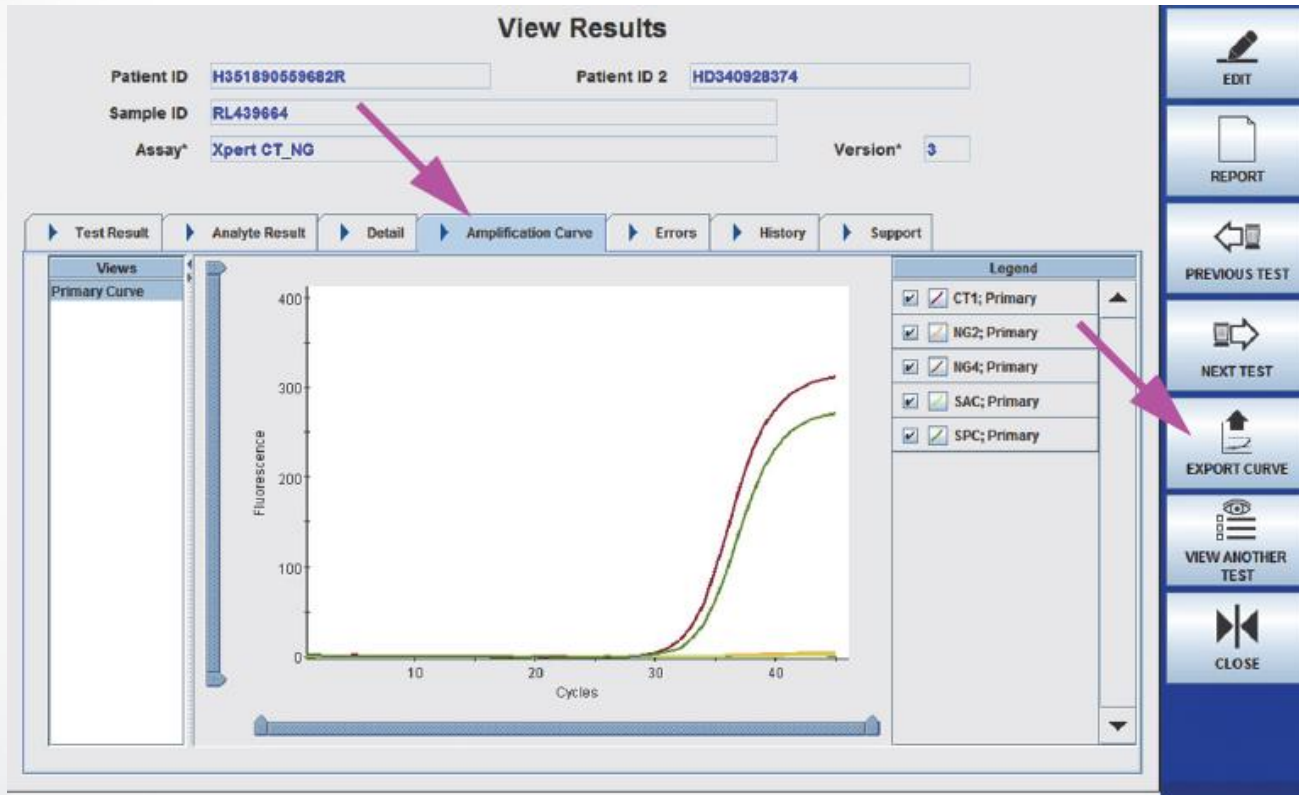
Patient ID: Patient ID 2:

Sample ID:

Assay*: Version*:

Field Name	WAS	IS	User	Time
Patient ID	Patient Name 4	H351890559682R	<None>	03/05/19 10:51:51
Patient ID 2		HD340928374	Detail User	03/05/19 15:01:27

Amplifikationskurven-Ansicht (nur Benutzer mit Administratorrechten)



Amplifikationskurve exportieren

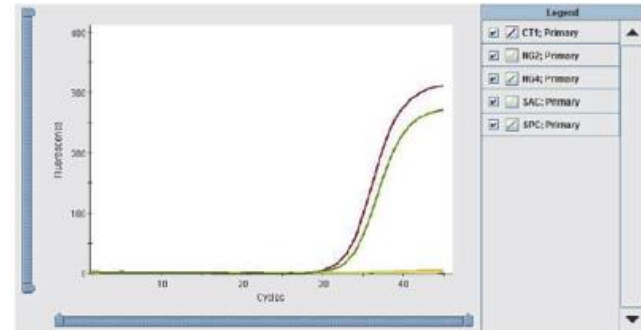


GeneXpert PC

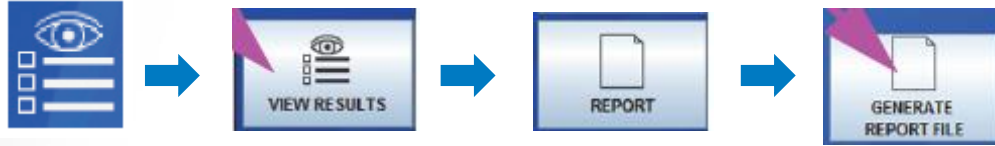
03/05/19 18:59:50

Graph Report

Sample ID:	RL439664
Test Type:	Specimen
Assay Name:	Xpert CT_NG
Assay Type:	In Vitro Diagnostic
Assay Version:	3
Reagent Lot ID:	05814
Status:	Done
Error Status:	OK
Notes:	
Order Time:	03/05/19 17:14:14
Started At:	03/05/19 17:15:06
Ended At:	03/05/19 18:43:13
User:	Detail User
S/W Version:	6.8
Graph Name:	Primary Curve



Testbericht



Der Inhalt der Berichtsdatei ist je nach Benutzertyp (normaler Benutzer oder Benutzer mit Administratorrechten) unterschiedlich

Test Report

	Patient ID	Sample ID	Mod Name	User	Test Type	Result	Assay	Status	Error Status	Start Date
<input type="checkbox"/>	H351827299...	UH489831	C3	<None>	Specimen	NEGATIVE	Xpert CDIF...	Done	OK	07/14/18 1...
<input type="checkbox"/>	H351890559...	RL439664	B2	Detail User	Specimen	CT DETE...	Xpert CT_...	Done	OK	09/15/18 1...
<input type="checkbox"/>	H351890559...	TZ637890	A4	Detail User	Negative C...	CT NOT D...	Xpert CT_...	Done	OK	03/21/19 1...
<input type="checkbox"/>	H056889055...	HA233987	A3	Detail User	Specimen	CT DETE...	Xpert CT_...	Done	OK	03/21/19 1...
<input checked="" type="checkbox"/>	H351890550...	HA245654	A1	Detail User	Specimen	CT NOT D...	Xpert CT_...	Done	OK	03/21/18 1...
<input type="checkbox"/>	H350395485...	SD934854...	B1	Detail User	Specimen	NEGATIVE	Xpert EV A...	Done	OK	05/13/18 1...
<input type="checkbox"/>	H351890382...	SD495810...	B3	Detail User	Specimen	NO RESULT	Xpert EV A...	Stopped	OK	05/01/18 1...
<input type="checkbox"/>	H738744925...	HG395820...	B2	Detail User	Specimen	NEGATIVE	Xpert EV A...	Done	OK	05/01/18 1...
<input type="checkbox"/>	H734743470...	HD304958...	B1	Basic User	Specimen	NEGATIVE	Xpert EV A...	Done	OK	05/01/18 1...
<input type="checkbox"/>	738743170147...	73874317...	A4	Detail User	Specimen	NEGATIVE	Xpert EV A...	Done	OK	05/01/18 1...
<input type="checkbox"/>	H738743170...	SD038576...	A3	Detail User	Specimen	NEGATIVE	Xpert EV A...	Done	OK	05/01/18 1...
<input type="checkbox"/>	H351855982...	UJ690762	B3	Detail User	Specimen	FIH HETER...	Xpert FIH &...	Done	OK	09/15/18 1...
<input type="checkbox"/>	H351890596...	UJ787933	A3	Detail User	Specimen	FIH NORMA...	Xpert FIH &...	Done	OK	09/15/18 1...
<input type="checkbox"/>	H351885382...	HN237945	A2	Detail User	Specimen	FIH HOMOZ...	Xpert FIH &...	Done	OK	09/15/18 1...
<input type="checkbox"/>		Xpert F 01...	A1	Detail User	Specimen	NEGATIVE	Xpert Flu A...	Done	OK	01/30/19 1...
<input type="checkbox"/>	H351890345...	CR538763	B4	Administra...	Specimen	MTB NOT ...	Xpert MTB...	Done	OK	03/16/19 1...
<input type="checkbox"/>	H351877782...	GK563895	B1	Detail User	Specimen	ERROR	Xpert MTB...	Aborted	Error	03/21/19 1...
<input type="checkbox"/>	H356129382...	TF277659	B4	Detail User	Specimen	MTB NOT ...	Xpert MTB...	Done	OK	03/21/19 1...
<input type="checkbox"/>	H395903826...	KW630987	B3	Administra...	Specimen	MRSA NE...	Xpert SA N...	Done	OK	03/21/19 1...

Normale Benutzer

Test Report

Include Amplification Curve

	Patient ID	Sample ID	Mod Name	User	Test Type	Result	Assay	Status	Error Status	Start Date
<input type="checkbox"/>	HIV-IVD	HIV-Factor...	A6	Detail User	Positive Co...	HIV DETE...	HIV-Factor...	Done	OK	01/17/18 1...
<input type="checkbox"/>	HIV-IVD	HIV-Factor...	A5	Detail User	Positive Co...	HIV DETE...	HIV-Factor...	Done	OK	01/17/18 1...
<input type="checkbox"/>	HIV-IVD	in Range	A1	Basic User	Positive Co...	HIV DETE...	HIV-Factor...	Done	OK	01/16/18 1...
<input type="checkbox"/>	HIV-IVD	HIV-Factor...	A1	Basic User	Positive Co...	HIV DETE...	HIV-Factor...	Done	OK	02/18/18 0...
<input type="checkbox"/>	HIV-IVD	HIV-Factor...	A5	Detail User	Positive Co...	HIV DETE...	HIV-Factor...	Done	OK	03/17/18 1...
<input type="checkbox"/>	HIV-IVD	HIV-Factor...	A1	Detail User	Positive Co...	HIV DETE...	HIV-Factor...	Done	OK	07/17/18 1...
<input type="checkbox"/>	H11287489...	SD142231	A1	Detail User	Specimen	ERROR	Xpert BCR...	Aborted	Error	07/30/18 1...
<input type="checkbox"/>	H11287489...	SD142231	A1	Detail User	Specimen	NEGATIVE	Xpert CDIF...	Done	OK	07/30/18 1...
<input type="checkbox"/>	H35182729...	UH489831	C3	Detail User	Specimen	NEGATIVE	Xpert CDIF...	Done	OK	05/05/18 1...
<input type="checkbox"/>	H35189037...	HA245614	A1	Detail User	Specimen	ERROR	Xpert CDIF...	Done	Error	08/29/18 1...
<input type="checkbox"/>	H05688905...	HA233987	A3	Detail User	Specimen	CT DETEC...	Xpert CT_...	Done	OK	09/03/18 1...
<input checked="" type="checkbox"/>	H35189055...	HA245654	A1	Detail User	Specimen	CT NOT D...	Xpert CT_...	Done	OK	09/03/18 1...
<input type="checkbox"/>	H35189055...	RL439664	B2	Detail User	Specimen	CT DETEC...	Xpert CT_...	Done	OK	09/15/18 1...
<input type="checkbox"/>	H35189055...	TZ637890	A4	Detail User	Negative C...	CT NOT D...	Xpert CT_...	Done	OK	02/15/19 1...
<input type="checkbox"/>	738743170...	73874317...	A4	Detail User	Specimen	NEGATIVE	Xpert EV A...	Done	OK	03/05/19 1...
<input type="checkbox"/>	H73474347...	HD304958...	B1	Basic User	Specimen	NEGATIVE	Xpert EV A...	Done	OK	03/05/19 1...
<input type="checkbox"/>	H73874317...	SD038576...	A3	Detail User	Specimen	NEGATIVE	Xpert EV A...	Done	OK	03/05/19 1...
<input type="checkbox"/>	H73874492...	HG395820...	B2	Detail User	Specimen	NEGATIVE	Xpert EV A...	Done	OK	03/05/19 1...

Benutzer mit Administratorrechten

Andere Berichte



GeneXpert PC 03/05/19 17:54:33

Control Trend Report

- Selection Criteria -

Date Range: All
 Assay: Xpert-C. difficile G2
 Assay Version: 2
 Reagent Lot Number: All
 Test Type(s): Negative Control 1
 Analyte(s): SPC, Toxin B
 Data Type: Cycle Threshold, EndPt

- 4 Test(s) Found -

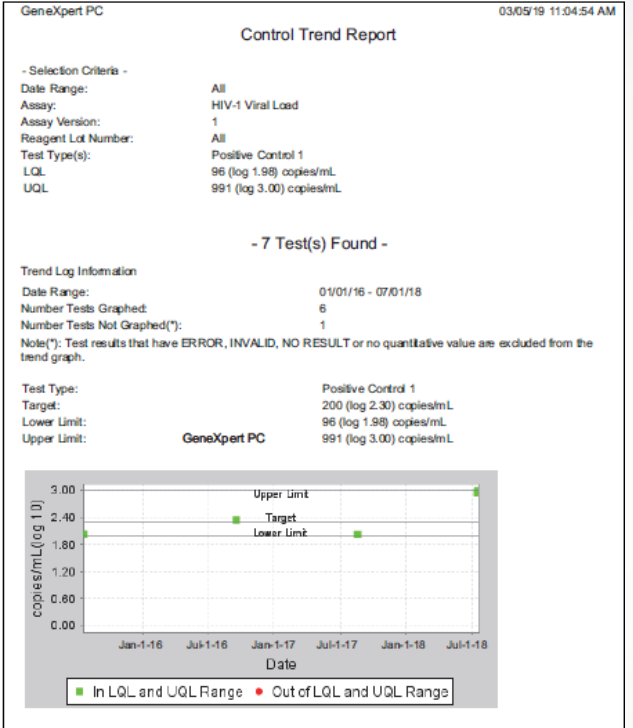
Trend Log Information

Date Range: 01/20/19 - 01/28/19
 Number Tests Graphed: 4
 Number Tests Not Graphed(*): 0

Note(*): Tests with errors, aborted, or stopped with insufficient data are excluded from the trend graph.

Test Type: Negative Control 1

Test Result: Number of Test Results For [Toxicigenic C.diff NEGATIVE]: 4



Datenverwaltung



Datenverwaltungsaufgaben

- **Archivieren/Abrufen von Tests**
 - Erstellen oder Abrufen einer Kopie der Daten
 - Automatische Archivierungsfunktion verfügbar
- **Sichern/Wiederherstellen von Daten**
 - Kopie der Benutzerprofile, Systemkonfiguration, ADF und Testdaten erstellen (verfügbar beim Start und beim Herunterfahren)
- **Datenbank komprimieren**
 - Nur beim Start und Herunterfahren verfügbar
- **Datenbankintegrität prüfen**
 - Die Integritätsprüfung wird beim Start durchgeführt
- **Dienstprogramm für externe Datensicherung (befindet sich auf Windows-Desktop)**
 - Sichern von Daten mit verschlüsselten Patienteninformationen

Kurzer LIS-Überblick



Host-Status



Host-Status (weiß,
wenn nicht
verbunden)



Host



Host-Verbindung unterbrochen

Host Test Order Table

The screenshot displays the Xpertise Software interface. On the left, the 'Module Status' table shows the status of modules A1 through B4, all of which are 'Available'. The main area is titled 'Manage Host Orders' and contains a table with columns for Patient ID, Patient ID 2, Patient Name, Sample ID, Assay, Priority, and Host Order. Two rows are visible, both with a 'Normal' priority and a host order of '03/05/13 1...'. Below the table, the 'Host Download Status' section shows a log of host queries sent and downloaded, with a timestamp of 03/05/13 12:02:21. A vertical toolbar on the right side of the interface contains various action buttons such as 'ORDER TEST', 'MANUAL QUERY', 'CANCEL SELECTED ORDERS', 'CLEAR STATUS', 'DELETE CANCELLED ORDERS', 'DELETE REFERENCE', 'SET COMMUNICATION SERVICE', and 'CLOSE'.

Module Name	Status
A1	Available
A2	Available
A3	Available
A4	Available
B1	Available
B2	Available
B3	Available
B4	Available

Patient ID	Patient ID 2	Patient Name	Sample ID	Assay	Priority	Host Order
P1344320	H2139842	Name4, Patient	S1254306	Xpert G88	Normal	03/05/13 1...
P32141244	H324902344	Name4, Patient	S12543322	Xpert PLU A...	Normal	03/05/13 1...

Host Download Status: Host queries sent at 03/05/13 12:02:21
2 orders have been downloaded
Download completed at 03/05/13 12:02:22

Time	System	User
03/05/13 12:01:45	System	User [Detail User] login
03/05/13 12:02:00	System	User [Detail User] login
03/05/13 12:02:17	System	User [Detail User] login

Host Download Status

Hostkommunikation aktivieren



Xpertise Software Administration user

Module Status

Module Name	Status
A1	Available
A2	Available
A3	Available
A4	Available
B1	Available
B2	Available
B3	Available
B4	Available
C1	Available
C2	Available
C3	Available
C4	Available
D1	Available
D2	Available
D3	Available
D4	Available

Host Communication Settings

Enable Host Communication

Use Cepheid Link (Only check if you have the Cepheid Link middleware solution for sample interoperability)

Host ID

Automatic Host Query After Sample ID Scan

Automatic Test Order Download

Automatic Result Upload

Use Instrument Specimen ID

Protocol

HL7

ASTM

Communication Settings

Server

Server IP Address: Port #:

Client

EDIT

CLOSE



Xpertise Software Administration user

Module Status

Module Name	Status
A1	Available
A2	Available
A3	Available
A4	Available
B1	Available
B2	Available
B3	Available
B4	Available
C1	Available
C2	Available
C3	Available
C4	Available
D1	Available
D2	Available
D3	Available
D4	Available

Host Communication Settings

Enable Host Communication

Use Cepheid Link (Only check if you have the Cepheid Link middleware solution for sample interoperability)

Host ID

Cepheidport Retry:

Automatic Host Query After Sample ID Scan

Automatic Test Order Download

Automatic Result Upload

Use Instrument Specimen ID

Protocol

HL7

ASTM

Communication Settings

Server

Server IP Address: Port #:

Client

SAVE

CANCEL

Caution



Cepheid recommends to always confirm that LIS uploaded results match GeneXpert results after any changes to the GeneXpert or host system, including, but not limited to, changes to the following:

- GeneXpert software version
 - GeneXpert assay definition files and version
 - GeneXpert host communication settings
 - Host middleware software or configuration changes
 - LIS software or configuration changes
-

Fehlerbehebung



Anhalten-Modus



- **Der Anhalten-Modus sollte nur verwendet werden, wenn eine Kartusche manuell justiert oder entfernt wird.**
- **Entfernen Sie keine Kartusche, ohne den Ablauf „Kartusche entfernen“ zu befolgen!**
- **Wenn „Anhalten“ aktiviert ist:**
 - **Die Verarbeitung von Kartuschenanforderungen STOPPT**
 - **Die Verarbeitung von Kartuschen in Modulen LÄUFT weiter**
 - **Der Roboterarm STOPPT am Ende seiner aktuellen Bewegung**
 - **Das Transportband STOPPT**
 - **Die Glastür wird ENTRIEGELT**
- **Wenn der normale Betrieb wieder aufgenommen wird, wird die gesamte Verarbeitung fortgesetzt.**

Not-Aus-Funktion



Die Not-Aus-Funktion sollte nur in Situationen verwendet werden, in denen eine sofortige Abschaltung der beweglichen Teile erforderlich ist, um Verletzungen des Benutzers oder Schäden am Gerät zu vermeiden.

Bei einem Not-Aus geschieht Folgendes:

- Alle Kartuscentransportfunktionen werden ausgesetzt.
- Alle Funktionen der Benutzeroberfläche werden ausgesetzt.
- Die Verarbeitung von Kartuschen in den Modulen wird fortgesetzt.

Zur Wiederaufnahme des Betriebs nach Not-Aus müssen Sie:

- Alle Kartuschen vom Transportband entfernen. Sie können erneut verarbeitet werden.
- Versetzen Sie unter keinen Umständen Kartuschen in andere Bereiche des Systems und fügen Sie unter keinen Umständen Kartuschen hinzu.

Hinweis: Wenn das System zu lange angehalten wird, können gegebenenfalls Kartuschen verfallen.

Not-Aus

1

Emergency Stop

Press UNLATCH GLASS DOORS to open the Glass Doors to access the system.
Warning: You must be trained to access the instrument.

If a cartridge is stuck or fallen, remove it from the system.
Remove all cartridges from the conveyor.
Do not move or add cartridges to other areas in the system under any circumstances.
To resume normal operation, untwist the Emergency button.

Press RESUME to return to normal operation.



3

Emergency Stop

After completing your operation, untwist the Emergency button.
Press RESUME to return to normal operation.



4

Emergency Stop

Close all glass doors.
And then press LATCH GLASS DOORS.



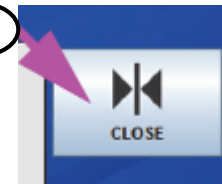
2

Vergessen Sie nicht, den Not-Aus-Taster durch Drehen im Uhrzeigersinn wieder in die Ausgangsposition zurückzustellen!

5



6



Kartuschen aus dem Speicher entnehmen

NUR IM AUTOMATISCHEN MODUS VERFÜGBAR!!!



Symbol „Ausstehende Anforderung, Eingreifen erforderlich“ (wird im Steuerbereich angezeigt)

View Outstanding Orders									
Needs Attention	Cartridge Status	Priority	Patient ID	Sample ID	Assay	Location	Order Time	Estimated Minutes To Result	Minutes To Expire
	Detected	Normal	123456789	127856789	Xpert C.diff-Epi	ACC 1	03/05/19 14:45		7
	Ordered	STAT	123456778	123786789	Xpert C.diff-Epi	Kiosk	03/05/19 14:58		180

VIEW ORDER

CANCEL ORDER

REMOVE OLD ORDERS

CLOSE

Kartuschen aus dem Speicher entnehmen



Cartridge I/O

Shuttle Accumulator

	Accumulator Site	Needs Attention	Cartridge Status	Priority	Sample ID	Assay	Order Time	Cartridge SN
<input checked="" type="checkbox"/>	1		Rejected	Normal	127856789	Xpert C.diff-Epi	03/05/19 14:45	10015808

OPEN SHUTTLE

FILL SHUTTLE

MOVE TO SHUTTLE

CLOSE



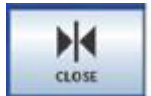
Cartridge I/O

Shuttle Accumulator

Shuttle Site	Needs Attention	Cartridge Status	Priority	Sample ID	Assay	Order Time	Cartridge S/N
1		Retained	Normal	127856789	Xpert C.diff-Epi	09/05/18 14:45	7508105376

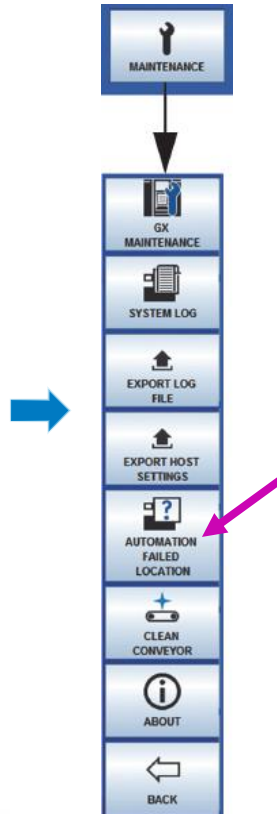
OPEN SHUTTLE

CLOSE



Räumen von im automatischen Modus fehlgeschlagenen Positionen

Module Status	
Module Name	Status
A1	Available
A2	Available
A3	Available
A4	Available
B1	Available
B2	Available
B3	Available
B4	Available
C1	Available
C2	Available
C3	Available
C4	Available
D1	Automation Failure
D2	Available
D3	Available
D4	Available



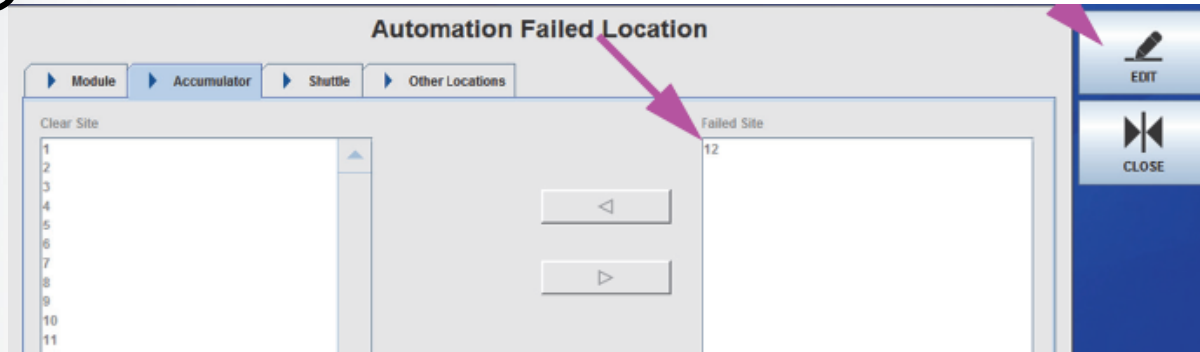
The screenshot shows the software interface with a blue header bar containing 'Cepheid Xpertise Software' and 'Administration User'. Below the header, there are two main panels. The left panel is titled 'Module Status' and contains a table with the same data as the 'Module Status' table in the first image. The right panel is titled 'Automation Failed Location' and has tabs for 'Module', 'Accumulator', 'Shuttle', and 'Other Locations'. The 'Module' tab is selected, showing a list of modules (A1-C3) and a 'Failed Site' section with 'Clear Site' and 'Failed Site' buttons. Arrows point from the text labels 'Clear Site Panel' and 'Failed Site Panel' to these respective buttons.

Prüfen Sie, an welcher Position ein Fehler aufgetreten ist:

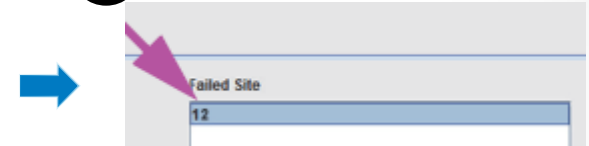
- Offene fehlgeschlagene Position: Speicher, Wagen oder Aufnahmebereich
- Geschlossene fehlgeschlagene Position: Modul

Offene fehlgeschlagene Position (Speicher, Wagen oder Aufnahmebereich)

1



2



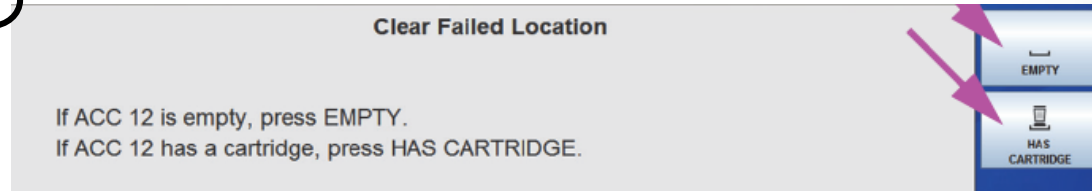
3



4



5



Offene fehlgeschlagene Position (Speicher, Wagen oder Aufnahmebereich)

6

Clear Failed Location



CONTINUE

Unable to clear the failed location ACC 12 because it still has a cartridge.
Pause the system and remove the cartridge, then go back to Clear Failed Location workspace to clear the location.

7

Clear Failed Location



CONTINUE

To complete clearing failed location(s),
Press CONTINUE and then Pause the system to remove cartridge(s) at: ACC 12

8

Wiederholen Sie die Schritte 1 bis 5

9



Geschlossene fehlgeschlagene Position (Modul)

Module Status

Module Name	Status
A1	Available
A2	Available
A3	Available
A4	Available
B1	Available
B2	Available
B3	Available
B4	Available
C1	Available
C2	Available
C3	Available
C4	Available
D1	Automation Failure
D2	Available
D3	Available
D4	Available

Automation Failed Location

Module | Accumulator | Shuttle | Other Locations

Clear Site

Failed Site

D1

EDIT

CLOSE



Clear Failed Location

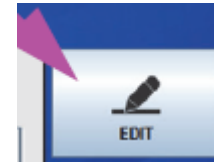
Switch to Manual Operation Mode to clear the following failed modules: D1
After failed locations are cleared, switch back to Automation Operation Mode.

CONTINUE

Geschlossene fehlgeschlagene Position (Modul): Ändern des Betriebsmodus

**Das System muss sich im manuellen Modus befinden,
um eine fehlgeschlagene Modulposition zu räumen!**

Betriebsmodus ändern:



Change Operation Mode

Current Operating Mode
Automation Mode

Operation Mode Configuration

Automation Mode
 Manual Mode

SAVE
CANCEL



Geschlossene fehlgeschlagene Position (Modul)



Leaving Automation Mode - Remove Cartridges

Remove all cartridges from the Accumulator, Shuttle, Conveyor and Modules and then press CARTRIDGE(S) REMOVED.

Shuttle Site	Needs Attention	Cartridge Status	Priority	Sample ID	Assay	Order Time	Cartridge S/N

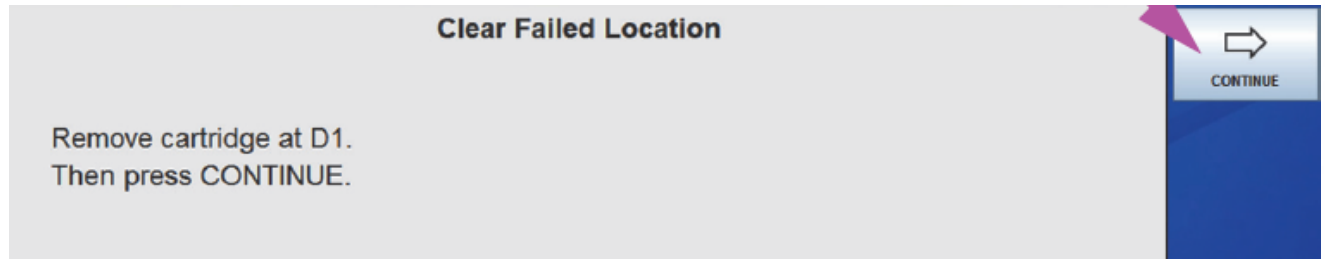
Any tests that are currently running in the GeneXpert modules will continue to run after the system switches to Manual mode. These cartridges will need to be removed manually from the GeneXpert modules after they have finished.

Any tests that have been ordered but have not yet started (outstanding orders) will be cancelled after the change to Manual mode. These tests can be ordered again in Manual mode or they can be ordered again in Automation mode if they have not expired. If there are outstanding tests that will be cancelled, the Leaving Automation Mode - Remove Cartridges workspace shown in [Figure 5-95](#) will be modified to indicate that there are outstanding tests that will be cancelled.

Geschlossene fehlgeschlagene Position (Modul)



Wenn



Geschlossene fehlgeschlagene Position (Modul)

Module Name	Status
A1	Available
A2	Available
A3	Available
A4	Available
B1	Available
B2	Available
B3	Available
B4	Available
C1	Available
C2	Available
C3	Available
C4	Available
D1	Automation Failure
D2	Available
D3	Available
D4	Available

Automation Failed Location

Module | Accumulator | Shuttle | Other Locations

Clear Site

Failed Site

D1

EDIT

CLOSE

Wählen Sie die fehlgeschlagene Position aus



Automation Failed Location

Module | Accumulator | Shuttle | Other Locations

Clear Site

Failed Site

EDIT

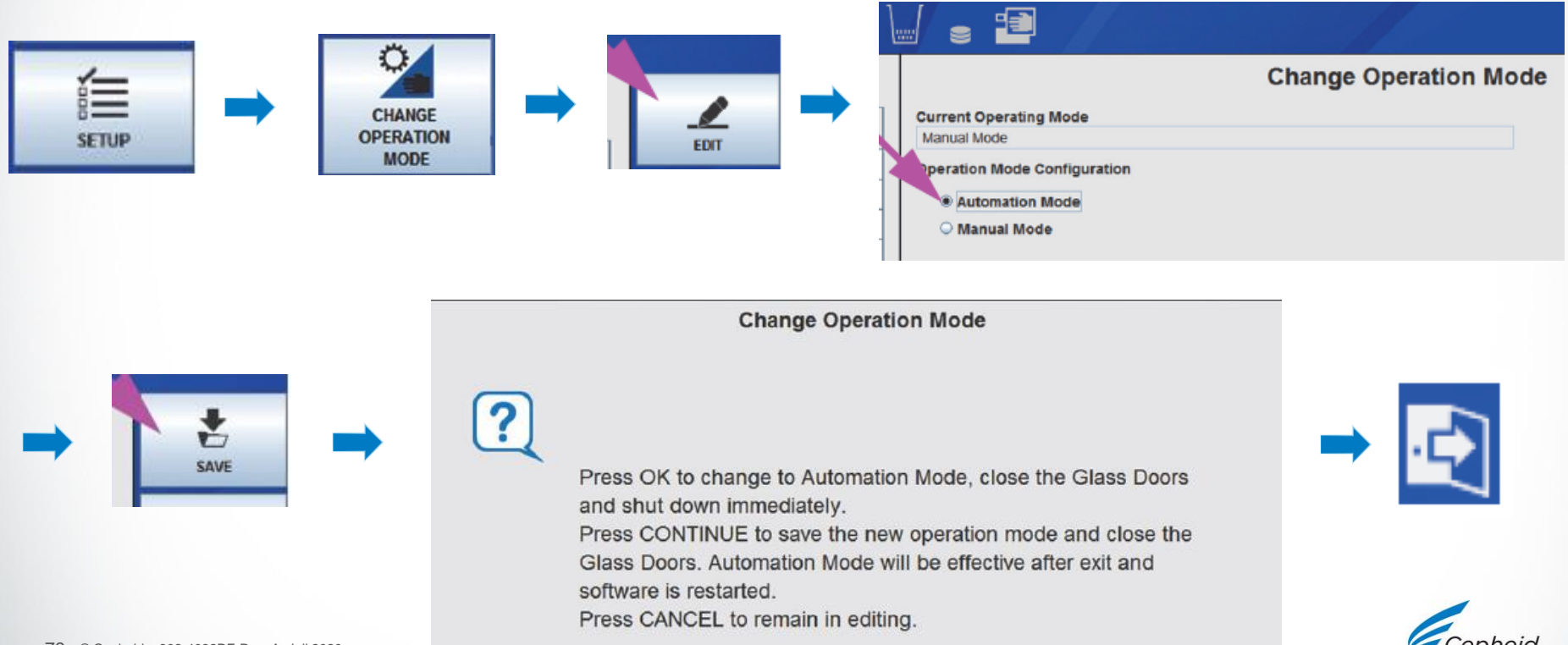
CLOSE

SAVE



Betriebsmodus ändern: Vom manuellen in den automatischen Modus

Prüfen Sie, ob alle Durchläufe beendet und alle Module leer sind!



Ablauf zum Herunterfahren des Systems

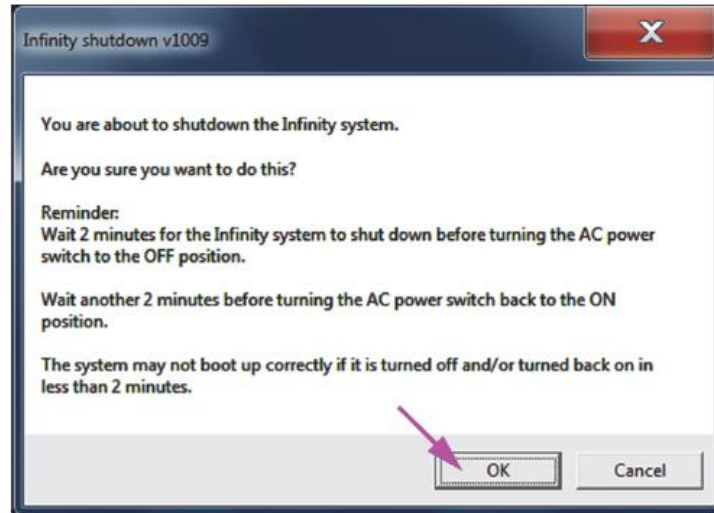
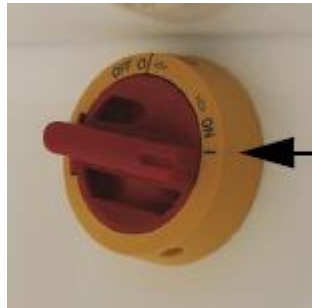
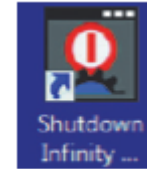


Ablauf zum Herunterfahren des Infinity Systems

Vergewissern Sie sich vor dem Herunterfahren, dass keine Tests in Bearbeitung sind. Wenn sich Tests in Bearbeitung befinden, wird eine Warnmeldung ausgegeben!



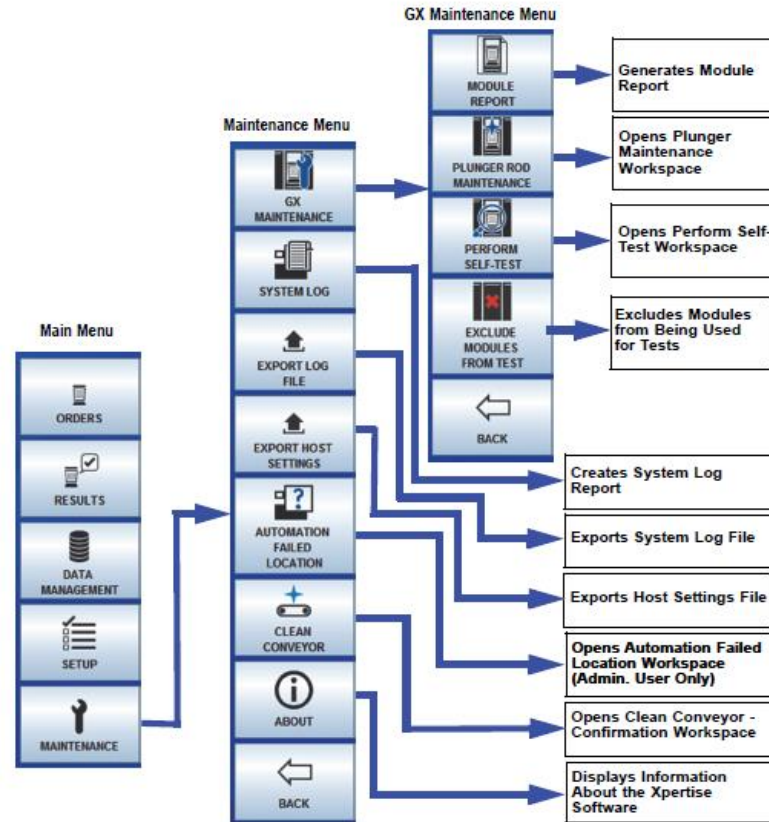
Gegebenenfalls werden Erinnerungsmeldungen zum Archivieren und zur Datenverwaltung angezeigt. Folgen Sie den angezeigten Anweisungen.



Wartung



Menü „GX-Wartung“ (GX Maintenance)



CE-IVU_III-vitro-Diagnostikum.

Wartung und Instandhaltung

GeneXpert® Infinity Maintenance Log

Month and Year:

Name of Institution: Infinity Serial Number: Quarterly Maintenance Performed:

Annual Maintenance Performed:

Instructions: 1. Enter the name of your institution, GeneXpert Infinity Serial Number, Annual Maintenance Performed Date, Quarterly Maintenance Performed Date, and the current Month and Year in the fields above.
 2. For each maintenance activity listed below check the box(es) under the day of the month that the activities were performed and enter your initials (2 characters maximum) in the bottom row.
 3. Save the file after entering the data. We recommend saving one file each month for a complete record of activities.

Weekly Maintenance	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Clean kiosk table top, keyboard and monitor ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quick Clean Conveyor belt ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perform System Shutdown ²	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monthly Maintenance																															
Vacuum near fan filter ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Archive / Purge Tests ^{2,3}	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quarterly Maintenance																															
Clean Kiosk Scanner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Conveyor Belt ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Cartridge Bays and Plunger Rods ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Instrument Surfaces ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Replace or Clean Fan Filters ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Yearly Maintenance																															
Check Instrument Calibration ⁴	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
As Necessary																															
Print System Log and Module Reports ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Empty / Replace Waste Container ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Back up Database ²	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Instrument Surfaces ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Check keyboard and mouse battery. Replace as required. ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technician Initials (Two Letters)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Refer to Chapter 9 (Service and Maintenance) in the Operator Manual for detailed procedure. 3. Frequency of data management and data storage location can be determined by individual laboratory.
 2. Refer to Chapter 5 (Operating Instructions) in the Operator Manual for detailed procedure. 4. Calibration check to be performed by Cepheid Field Service Engineer or customer.
 NOTE: These are minimum recommendations for cleaning. Your institution may require that maintenance be performed on a more frequent basis.
 Reference: GeneXpert Infinity Operator Manual (PIN 302-0763, Rev. A)



Kiosk-Arbeitsplatte, Monitor, Maus und Tastatur desinfizieren	Wöchentlich
Rückseitigen Gebläsefilter reinigen	Monatlich
Oberflächen des Instruments reinigen	Einmal im Vierteljahr
Kartuschenfach von innen desinfizieren	Vierteljährlich und nach Bedarf
Spritzenkolbenstange desinfizieren	Vierteljährlich und nach Bedarf
Transportband reinigen	Wöchentlich (Schnellreinigung) und vierteljährlich (Grundreinigung)
Abfallbehälter entleeren	Jederzeit und nach Bedarf
Kalibrierung des Instruments prüfen	Jährlich



Für die Wartung erforderliche Materialien (nicht im Lieferumfang enthalten)

- Bleichlösung (Endkonzentration von 0,5 % aktivem Chlor bzw. haushaltsübliche Chlorbleiche in einer Verdünnung von 1:10)
- 70 % Ethanol
- Entionisiertes Wasser
- Flusenfreie Wischtücher oder Papiertücher
- Einweghandschuhe
- Schutzbrille

Reinigen von Kiosk-Arbeitsplatte, Monitor, Maus und Tastatur

Benötigte Materialien:

- Bleichlösung (Endkonzentration von 0,5 % aktivem Chlor bzw. haushaltsübliche Chlorbleiche in einer Verdünnung von 1:10, nicht länger als einen Tag vor Verwendung zubereitet)
- 70%iges Ethanol bzw. denaturiertes Ethanol (70%iges Ethanol mit 5 % Methanol und 5 % Isopropanol)
- Entionisiertes Wasser
- Flusenfreie Wischtücher oder Papiertücher
- Einweghandschuhe
- Schutzbrille

1 Remove the mouse and all other items from the kiosk table top.

Thoroughly moisten a lint-free wipe or paper towel with the bleach solution.

Wipe the table top surface thoroughly with the lint-free wipe or paper towel. Use additional lint-free wipes or paper towels, as needed, to ensure adequate coverage. Allow the bleach solution to remain on the surface a minimum of two minutes.

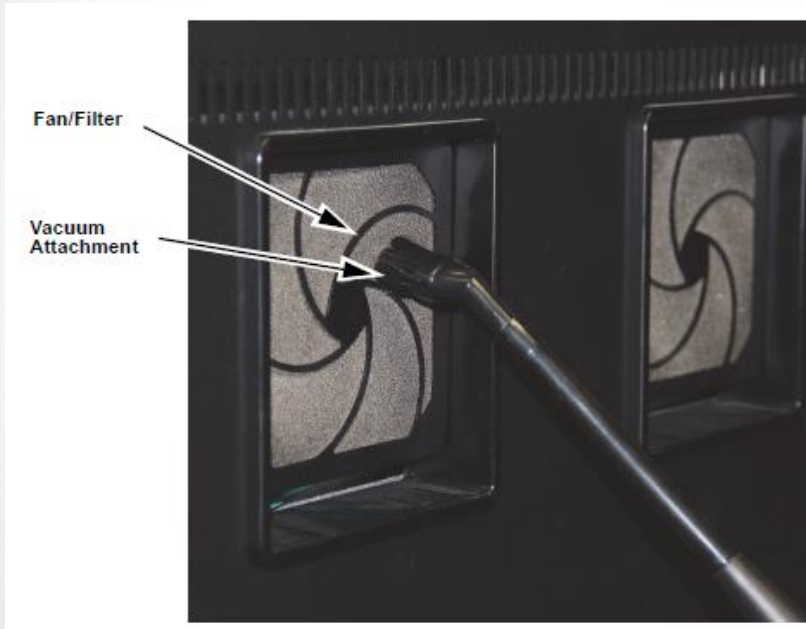
Discard the used lint-free wipe according to your standard laboratory procedure.

2 Thoroughly moisten a lint-free wipe or paper towel with the 70% ethanol solution.

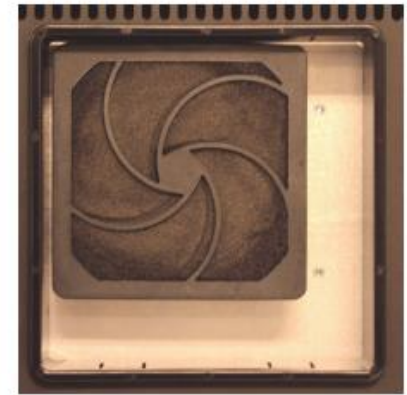
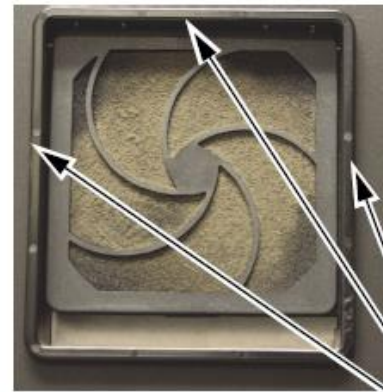
Wipe the table top, keyboard, mouse and monitor thoroughly with the lint-free wipe or paper towel. Use additional lint-free wipes or paper towels, as needed.

Discard the used lint-free wipes or paper towels according to your standard laboratory procedure.

Reinigen der rückwärtigen Lüfterfilter



Gegebenenfalls müssen die Lüfterfilter ausgetauscht werden. Für weitere Informationen lesen Sie bitte das Benutzerhandbuch!



Reinigen Sie die Instrumentenoberflächen im Rahmen der vierteljährlichen Wartung

Bevor Sie beginnen, vergewissern Sie sich, dass alle Tests beendet sind und dass sich keine Kartuschen mehr in den Modulen befinden! Führen Sie dann den Ablauf zum Herunterfahren des Systems durch!

Important

For the quarterly cleaning procedure, do not use a bleach solution. A bleach solution is to be used only in the event of a spill.

Benötigte Materialien:

- 70%iges Ethanol bzw. denaturiertes Ethanol (70%iges Ethanol mit 5 % Methanol und 5 % Isopropanol)
- Flusenfreie Wischtücher oder Papiertücher
- Einweghandschuhe
- Schutzbrille



Clean Gantry Rail Covers



Clean Door Rail



Clean Instrument Floor

Wenn Substanzen verschüttet werden, reinigen Sie die betroffenen Instrumentenoberflächen.



Important

The GeneXpert Infinity system must be completely shut down when cleaning the instrument surfaces.

Benötigte Materialien:

- Bleichlösung (Endkonzentration von 0,5 % aktivem Chlor bzw. haushaltsübliche Chlorbleiche in einer Verdünnung von 1:10, nicht länger als einen Tag vor Verwendung zubereitet)
- 70%iges Ethanol bzw. denaturiertes Ethanol (70%iges Ethanol mit 5 % Methanol und 5 % Isopropanol)
- Flusenfreie Wischtücher oder Papiertücher
- Einweghandschuhe
- Schutzbrille

Thoroughly moisten a lint-free wipe or paper towel with the bleach solution.

Wipe affected surfaces inside the instrument. Change lint-free wipes or paper towels frequently while wiping.

Allow the bleach solution to remain on the surfaces at least two minutes but no longer than five minutes.

Repeat Step 1 through Step 4 two more times for a total of three times.

Thoroughly moisten a lint-free wipe or paper towel with the 70% ethanol solution.

Wipe affected surfaces inside the instrument. Change lint-free wipes or paper towels frequently while wiping.

Discard the used lint-free wipe or paper towel according to your standard laboratory procedure.

Reinigen des Transportbands (Schnellreinigung, wöchentlich)



Do not use alcohol or ethanol to clean the conveyor belt. Alcohol or ethanol can damage the conveyor belt material.

Für die wöchentliche Schnellreinigung benötigte Materialien: zur Entfernung von feinen Staubpartikeln

- Entionisiertes Wasser
- Flusenfreie Wischtücher oder Papiertücher
- Einweghandschuhe
- Schutzbrille



Thoroughly moisten a lint-free wipe or paper towel with deionized water.

Hold the lint-free wipe or paper towel tightly (to avoid it being pulled from your hand) against the exposed surface of the conveyor belt for two rotations of the belt (approximately two minutes).

Dry the belt using a new lint-free wipe or paper towel. Hold the lint-free wipe or paper towel tightly (to avoid it being pulled from your hand) against the exposed surface of the conveyor belt for two rotations of the belt (approximately two minutes).

Reinigen Sie das Transportband (vierteljährlich oder im Falle des Verschüttens von Substanzen)



Do not use alcohol or ethanol to clean the conveyor belt. Alcohol or ethanol can damage the conveyor belt material.

Benötigte Materialien:

- Bleichlösung (Endkonzentration von 0,5 % aktivem Chlor bzw. haushaltsübliche Chlorbleiche in einer Verdünnung von 1:10, nicht länger als einen Tag vor Verwendung zubereitet)
- Entionisiertes Wasser
- Flusenfreie Wischtücher oder Papiertücher
- Einweghandschuhe
- Schutzbrille



zum Reinigen und Desinfizieren oder im Falle des Verschüttens von Substanzen

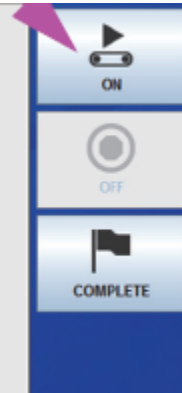
Reinigen Sie das Transportband (vierteljährlich oder im Falle des Verschüttens von Substanzen)



Clean Conveyor

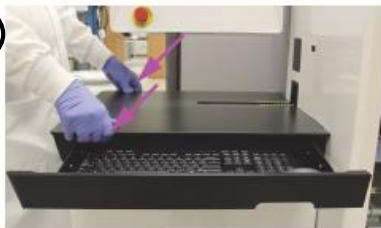
The kiosk top should be removed.

1. Select ON to start the conveyor.
2. Clean the conveyor.
3. Select OFF to stop the conveyor.
4. Put kiosk top back in place.
5. Select COMPLETE to close the workspace.

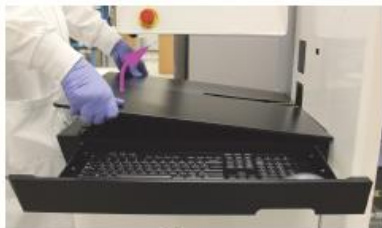


Reinigen Sie das Transportband (vierteljährlich oder im Falle des Verschüttens von Substanzen)

1



A



B



C



D

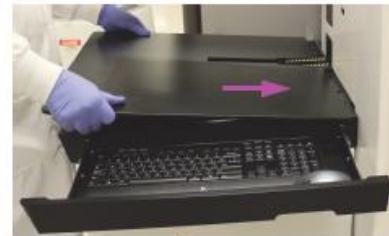
2



3



A



B



C

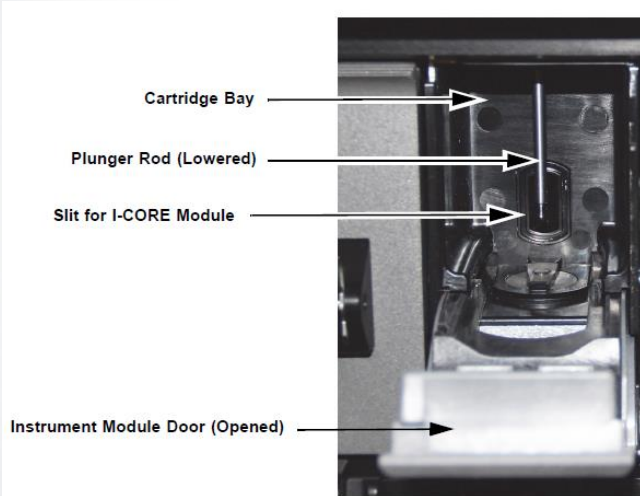


D

It is possible to pinch your fingers when installing the kiosk table top. To avoid pinching your fingers, perform the following steps exactly as instructed.

Reinigen der Kartuschenfächer und Kolbenstäbe

Bevor Sie beginnen, vergewissern Sie sich, dass alle Tests beendet sind und dass sich keine Kartuschen mehr in den Modulen befinden!



Verhindern Sie jedes Eindringen von Flüssigkeit in den Schlitz des I-Core-Moduls!

Biological Risks



Wear disposable gloves, eye protection and other personal protective equipment mandated by your institution's safety policies while performing this cleaning procedure. Wearing personal protective equipment prevents exposure to chemical and biologically hazardous materials.

The materials required for this procedure are:

- A final concentration of 1:10 dilution of household chlorine bleach (used within 1 day of preparation)

Important

Perform the bleach wipe-down three separate times on the interior surfaces of the cartridge bay, allowing the bleach to remain on the surfaces for two minutes after each wipe. After the final two minutes, remove the bleach residue by thoroughly wiping the cartridge bay and plunger rod with ethanol.

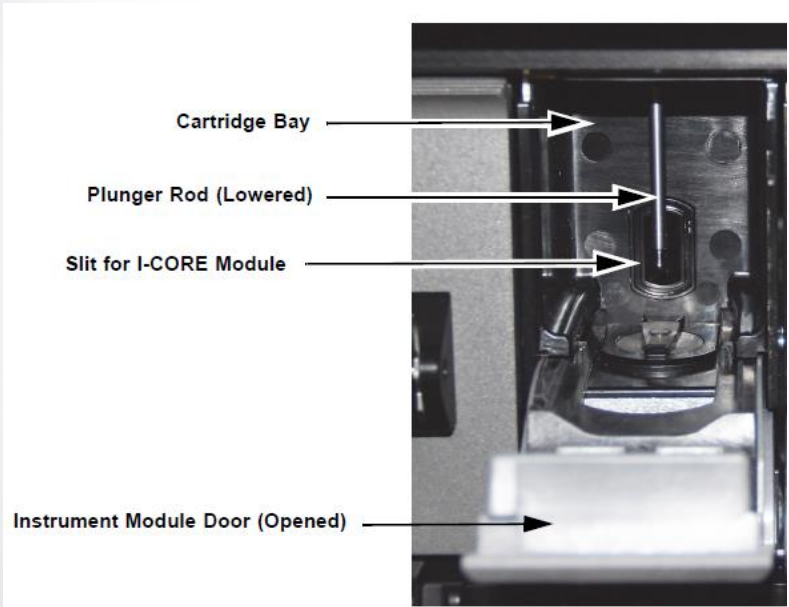
- 70% ethanol or denatured ethanol (70% ethanol containing 5% isopropanol and 5% methanol)
- Soft lint-free wipes

Caution



Do not use 70% isopropanol alcohol for cleaning the cartridge bay and plunger rod. Isopropanol alcohol can degrade plastics.

GX Wartungs-Arbeitsbereich



Plunger Rod Maintenance

Select one or more modules and press CLEAN.

	Module Name	Status	Module S/N	Estimated Minutes To Result	Tests Since Last Cleaned
<input checked="" type="checkbox"/>	A1	Available	642969		54
<input checked="" type="checkbox"/>	A2	Available	642999		48
<input checked="" type="checkbox"/>	A3	Available	643030		44
<input checked="" type="checkbox"/>	A4	Available	642845		48
<input type="checkbox"/>	B1	Available	643015		54
<input type="checkbox"/>	B2	Available	642812		52
<input type="checkbox"/>	B3	Available	642706		40
<input type="checkbox"/>	B4	Available	643243		49
<input type="checkbox"/>	C1	Available	602699		31
<input type="checkbox"/>	C2	Available	612818		101
<input type="checkbox"/>	C3	Available	612666		101
<input type="checkbox"/>	C4	Available	612816		100
<input type="checkbox"/>	D1	Available	600323		203
<input type="checkbox"/>	D2	Available	612665		97

SELECT ALL Deselect ALL SELECT HIGHLIGHTED Deselect HIGHLIGHTED

CLEAN CLOSE

GX Wartungs-Arbeitsbereich – Forts.

Plunger Rod Maintenance

1. Open the glass doors.
2. Open the selected module doors.
3. Remove cartridges from the modules.
4. Press CONTINUE.

Selected Modules
A1
A2
A3
A4

CONTINUE



Plunger Rod Maintenance

1. Clean the plunger rods and module bays.
2. Close all module doors.
3. Close the glass doors.
4. Press COMPLETED.

Selected Modules
A1
A2
A3
A4

COMPLETED



Plunger Rod Maintenance

Please wait while plunger rods are being lowered.

Keep hands clear of modules until plunger rods are lowered.

OK

Entleeren des Abfallbehälters



Überprüfen Sie das Symbol für den Abfallbehälter im Steuerbereich! Klicken Sie auf das Symbol und folgen Sie den Anweisungen auf dem Bildschirm!

Biological Risks



Remove the waste container bag carefully to avoid puncturing of the bag by the cartridges. If the bag punctures, liquid from the cartridges may leak.

Biological Risks



Biological specimens, transfer devices, and used cartridges should be considered capable of transmitting infectious agents requiring standard precautions. Follow your institution's environmental waste procedures for proper disposal of used cartridges and unused reagents. These materials may exhibit characteristics of chemical hazardous waste requiring specific disposal. If country or regional regulations do not provide clear direction on proper disposal, biological specimens and used cartridges should be disposed per WHO [World Health Organization] medical waste handling and disposal guidelines.

Warning



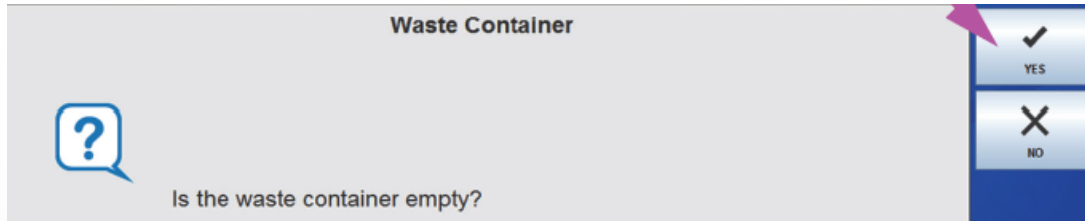
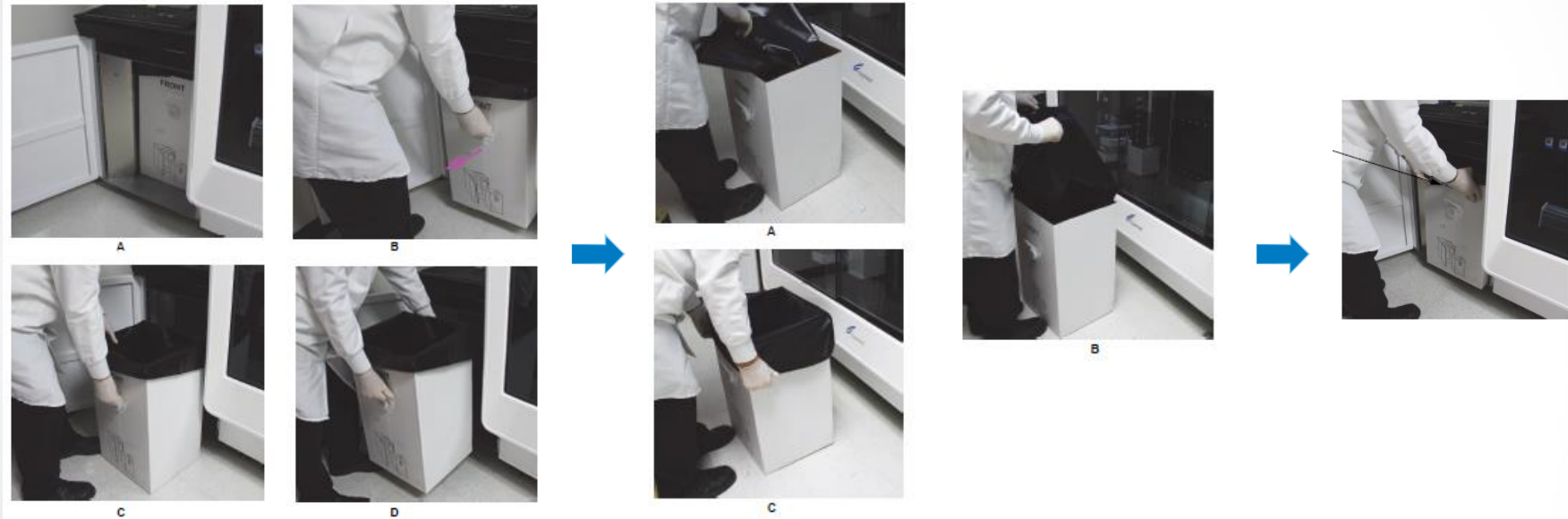
A bag filled with cartridges is very heavy (approximately 17 kg (38 lbs.)). Use proper lifting techniques when lifting the waste container and bags with cartridges.

Caution



Be careful not to damage the metal latch that protrudes from the door while removing the waste container. See [Figure 9-46](#).

Entleeren des Abfallbehälters





Vielen Dank.

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