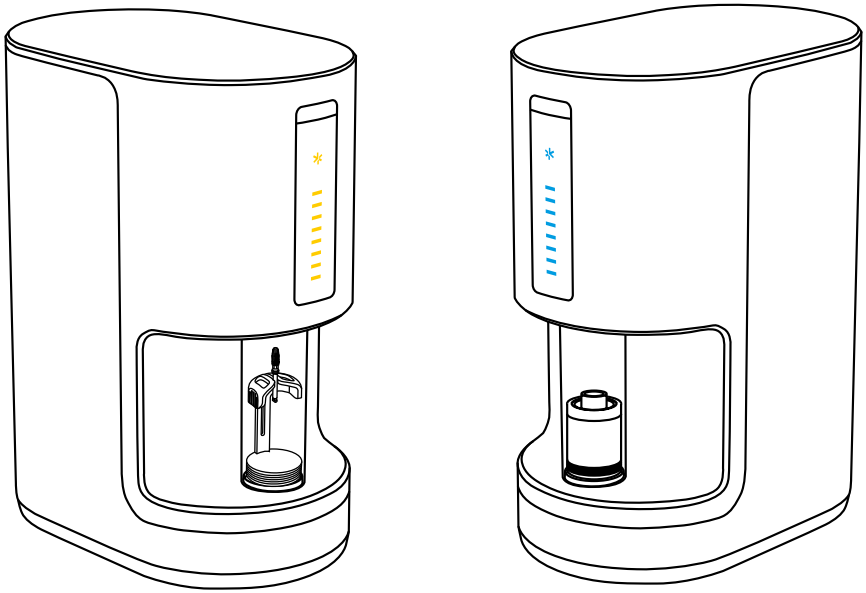
ACTILINK *motion*

Quick Guide

PN LA2-0009-02



plasmapp

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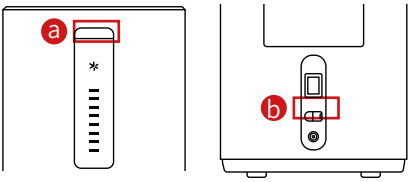
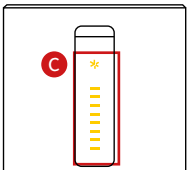
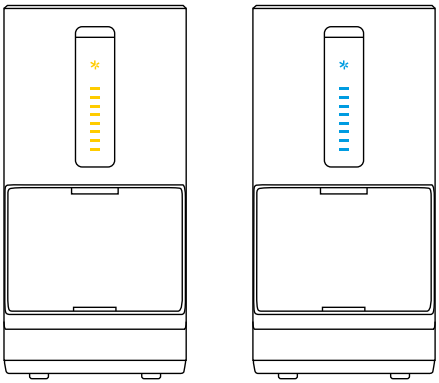
■ Select Process Mode



- While holding down the button (a), turn on the power button (b) on the back side of the equipment.



- The color of the currently selected mode[1] flashes (c).



Yellow Color
: Direct Holder Mode

Blue Color
: Vortex Holder Mode

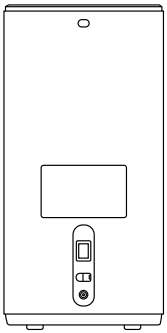
- Each time you press the button (a), the color (mode) changes.
- When the desired color (mode) is flashing, press and hold the button (a) for more than 5 seconds.
- The selected mode is saved and the color blinking stops. Now the selected mode color is displayed.
- Align the dedicated holder for the selected mode and proceed with the plasma surface treatment.

[1] (c) Front status LED color

1 Power On

- Turn on the power switch at the back side of the equipment.

✓ Make sure the power line is plugged in.

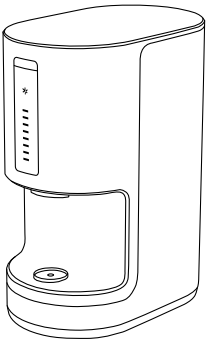


2 Ready for Activation

- When the device is powered on, the status LED on the front is lit.

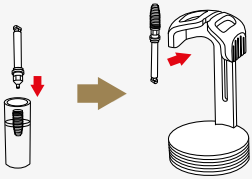
Blue Color
: Vortex Plasma Mode

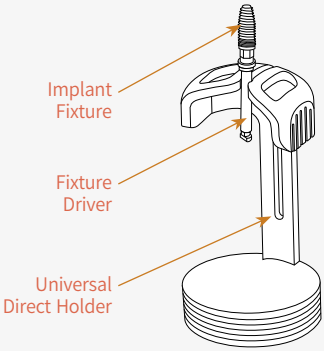
Yellow Color
: Direct Plasma Mode



3-1 In case of using the Universal Direct Holder (Make sure the front LED color is yellow)

- Fixture Driver secure to Universal Direct Holder and pick up the implant.

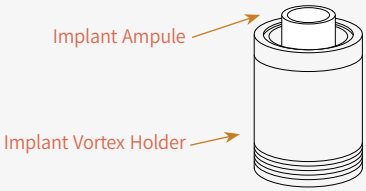


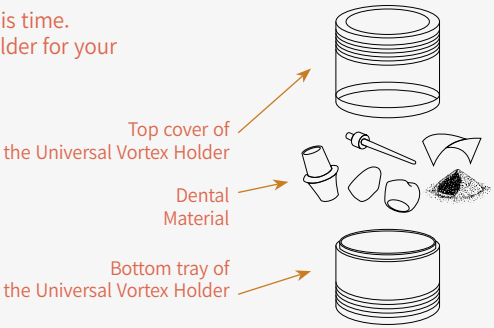


3-2 In case of using the Implant Vortex Holder or Universal Vortex Holder (Make sure the front LED color is blue)

- After opening the ampule, mount it on the equipment, mount dental material with in the appropriate Vortex Holder.

✓ The caps of the Ampule must be removed at this time.
✓ Make sure to use the correct Implant Vortex Holder for your brand of implant ampule.

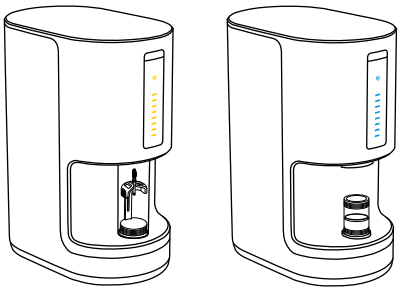




4 Mounting the Holders

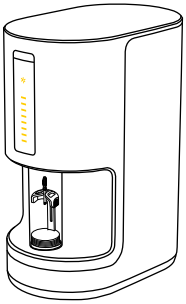
- Mount the selected Holder onto the base.

✓ Make sure the Holder is properly mounted.



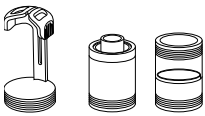
5 Start the Surface Activating Process

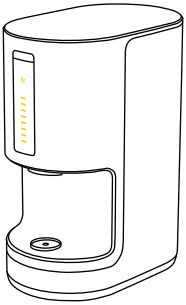
- Press the top button to start the surface activating process.

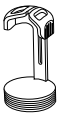
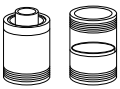


6 After completing the Surface Activating Process

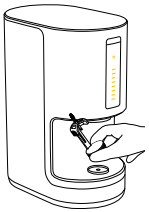
- Retrieve the Direct Holder or Vortex Holder after the surface activating process is completed and the vacuum tube rises automatically.



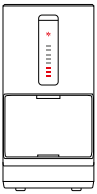


Mode	Image	Plasma Energy Irradiation	Surface Treatment Method	Remark
Universal Direct Holder		15 seconds	Direct discharge	This method enables faster and more effective way to remove contaminants on the surface.
Implant Vortex Holder and Universal Vortex Holder		30 seconds	Indirect discharge	The energy will penetrate to inside of the vial. Therefore, it has a longer energy irradiation time.

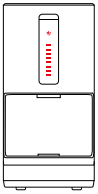
■ Troubleshooting



- **When the vacuum tube goes up immediately before starting the surface activation**
  The vacuum tube lifts up automatically for user protection when a jam is detected. ACTILINK reborn will operate normally if the user presses and run button again.



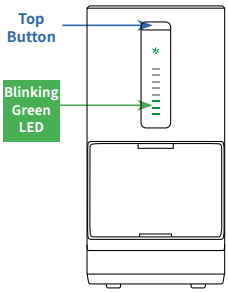
- **Error occurred during the surface activation (Three LED illuminated)**
  Check if there is any foreign object in between the vacuum tube and the surface. ACTILINK reborn will operate normally after removing the foreign object.



- **Forced stop during the surface activation**
  Press the run button for 3 seconds will cause the surface activation to stop and the red led will turn off. The surface activation will begin again if the user presses the run button one more time.

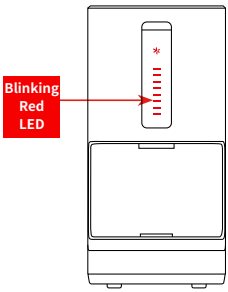
■ How to check the number of times this equipment has been used

Press and hold the top button more than 6 seconds, then the green LED flashes on the front of the product depending on the number of usage.



The number of flashing green LEDs increases by 1 step for every 1,000 times of usage.

If the remaining life of the HVPS is less than 100 times, you can hear the "replacement notification sound" is output whenever the product is turned on.

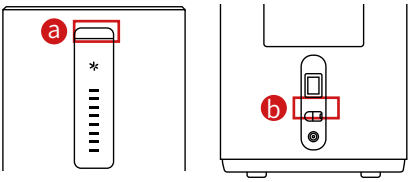


After exceeding the number of usage of the equipment, the "Blinking red LED" status appears on the front of the equipment whenever starting the process and the equipment would not operate.

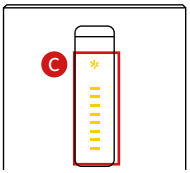
Clean the equipment with a dedicated wipe or soft cloth gently

· Clean only after the instrument is unplugged from power.
· Do not use wipes containing sodium hypochlorite (bleach) or chlorine-based solutions.
· Do not use ketone-type substances (such as acetone), ethyl alcohol, toluene, ethyl acid, or methyl chloride.
· If the equipment, Direct Holder or Vortex Holder is wet, it may cause damage or malfunction. So be sure to dry them before using it.

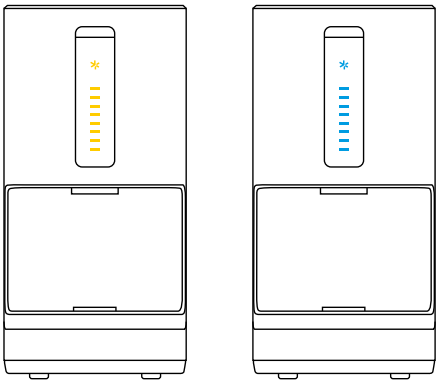
■ 공정 모드 선택



- 버튼 (a)을 누른 상태에서 기기 뒷면의 전원(b)을 켭니다.



- 현재 선택된 모드[1] 의 색상이 깜빡입니다 (c).



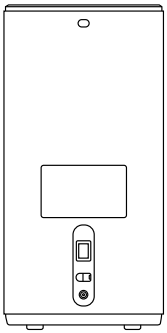
- 버튼을 누를 때마다 색상(모드)이 변경됩니다.
- 원하는 색상(모드)이 깜박일때 버튼을 5초이상 길게 누릅니다.
- 선택한 모드가 저장되면서 색상 깜박임이 멈추고 선택된 모드(색상)가 표시됩니다.
- 모드에 맞는 전용 홀더를 안착부에 맞추어 올리고 플라즈마 표면 처리를 진행합니다.

[1] (c) 전면 상태표시 LED 색상

1 제품 켜기

- 제품 뒷면에 있는 전원 스위치를 켜십시오.

✓ 전원선이 연결되어 있는지 확인하세요.

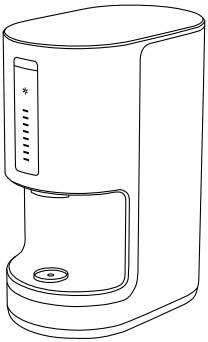


2 표면 활성화 공정 준비

- 전원이 연결되면 전면의 상태 LED가 켜집니다.

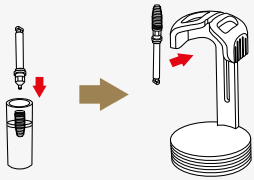
파란색
: Vortex Holder 모드

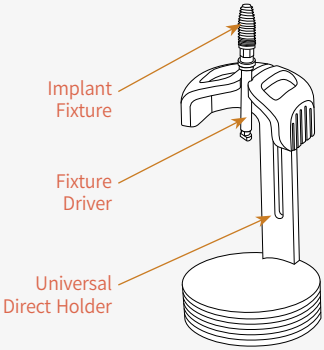
노란색
: Direct Holder 모드



3-1 Universal Direct Holder를 사용하는 경우 (전면 LED 색상이 노란색인지 확인합니다.)

- Fixture 드라이버를 Universal Direct Holder에 고정하고 Implant를 픽업합니다.

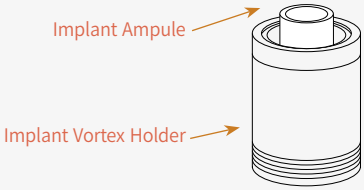


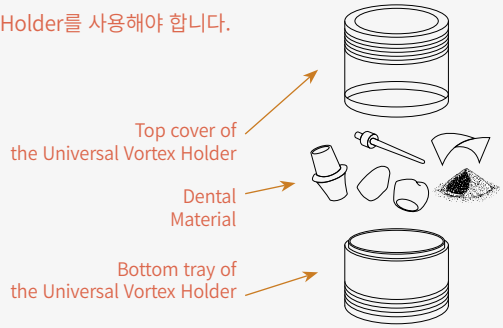


3-2 Implant Vortex Holder 혹은 Universal Vortex Holder를 사용하는 경우 (전면 LED 색상이 파란색인지 확인합니다)

- 앰플은 개봉한 후에 장착하고, 치과용 재료를 적절한 Vortex Holder에 장착합니다

✓ 앰플의 캡은 제거가되어있어야합니다.
✓ 사용 중인 임플란트 브랜드에 맞는 Implant Vortex Holder를 사용해야 합니다.

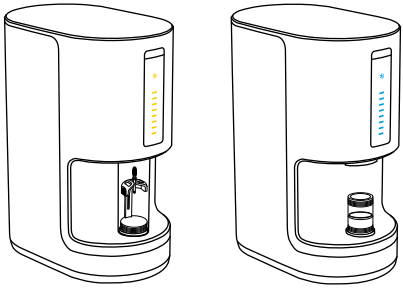




4 홀더 장착하기

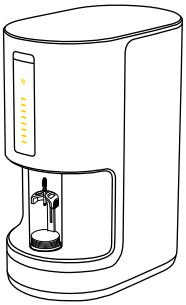
- 선택한 홀더를 베이스에 장착합니다.

✓ 홀더가 제대로 장착되었는지 확인합니다.



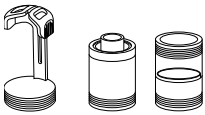
5 표면 활성화 공정 진행

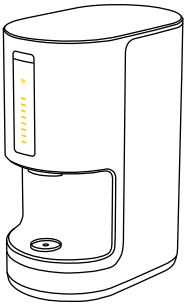
- 상단 버튼을 눌러 표면 활성화 프로세스를 시작합니다.

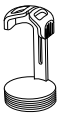
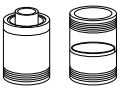


6 표면 활성화 공정 완료 후

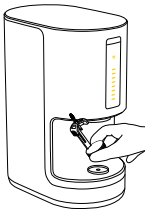
- 표면 활성화 프로세스가 완료되고 진공관이 자동으로 상승한 후 Direct Holder 또는 Vortex Holder를 회수합니다.



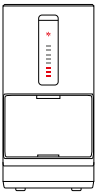


모드	이미지	플라즈마 조사 시간	표면 처리 방법	비고
Universal Direct Holder		15 초	직접 방전	이 방법을 사용하면 다음과 같이 더 빠르고 효과적인 방법으로 표면의 오염 물질을 제거할 수 있습니다.
Implant Vortex Holder and Universal Vortex Holder		30 초	간접 방전	플라즈마가 바이알 내부까지 침투합니다. 따라서 조사 시간이 더 길어집니다.

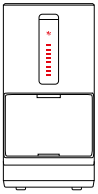
■ 문제 발생 시, 조치방법



- **진공 튜브 하강 후 공정이 시작되지 않고 곧바로 상승 시**
  손가락 또는 물체 끼임에 의해 튜브가 곧바로 상승하는 경우는
  사용자 보호 기능에 의한 현상으로 제품 이상이 아닙니다.
  동작 버튼을 다시 누르면 정상 작동합니다.



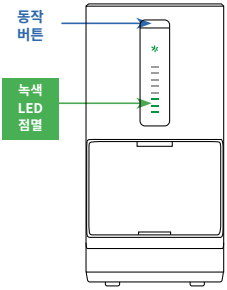
- **공정 중 진공이상 발생 시 (LED 3개 점등)**
  진공 튜브와 바닥면 사이에 이물질을 확인하세요.
  이물질을 제거한 후 동작 버튼을 다시 누르면 정상 작동합니다.



- **공정 진행중 강제 종료 필요 시**
  동작 버튼을 약 3초간 누르면 적색 LED 불빛이 점멸 되면서 동작이 중단 됩니다.
  동작 버튼을 한 번 더 누르면 공정이 다시 시작됩니다.

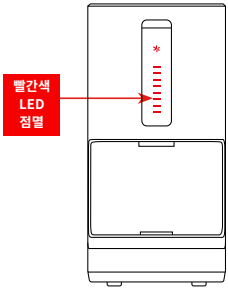
■ 장비의 사용 횟수를 확인하는 방법

상단 버튼을 6초 이상 길게 누르면 사용 횟수에 따라 제품 전면에 녹색 LED가 점멸합니다.



녹색 LED의 점멸 횟수는 1,000회 사용할 때마다 1 단계씩 증가합니다.

HVPS의 잔여 수명이 100 회 미만인 경우 제품을 켤 때마다 "교체 알림음"이 출력됩니다.

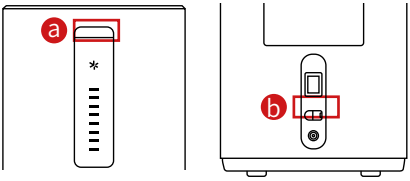


장비 사용 횟수를 초과한 후에는 공정을 시작할 때마다 장비 전면에 빨간색 LED가 점멸하고장비가 작동하지 않습니다.

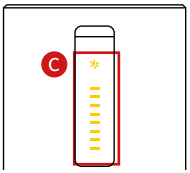
전용 물티슈나 부드러운 천으로 장비를 부드럽게 닦아주세요.

· 기기를 전원에서 분리한 후에만 청소하세요.
· 차아염소산나트륨(표백제) 또는 염소 용액이 포함된 물티슈를 사용하지 마세요.
· 케톤류 물질(예: 아세톤), 에틸 알코올, 톨루엔, 에틸산 또는 염화메틸을 사용하지 마세요.
· 장비, Direct Holder 또는 Vortex Holder가 젖어 있으면 손상 또는 오작동을 일으킬 수 있습니다.
  따라서 사용하기 전에 반드시 건조시켜야 합니다.

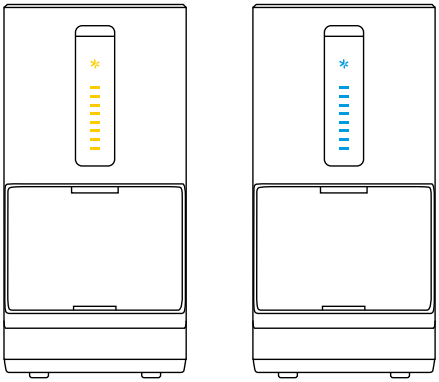
■ プロセスモード選択



- 詳細動作ボタン(a)を押したまま、機器背面の電源(b)をオンにします。



- 現在選択されているモード[1)]の色が点滅します(c)。



黄色
: Direct Holder モード

青色
: Vortex Holder モード

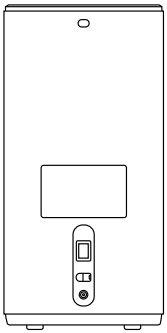
- ボタン(a)を押すたびに色(モード)が変わります。
- 希望の色(モード)が点滅する時、ボタン(a)を5秒以上長押しします。
  5秒以上長押しします。
- 選択したモードが保存され、色の点滅が止まり選択されたモード(色)が表示されます。
- モードに合った専用ホルダーを装着部に合わせ上げ、プラズマ表面処理を行います。

[1)] (c) 前面状態表示LEDの色

1 電源を入れる

- 本体裏面にある電源スイッチをONにしてください。

✓ 電源ケーブルが接続されているか確認してください。

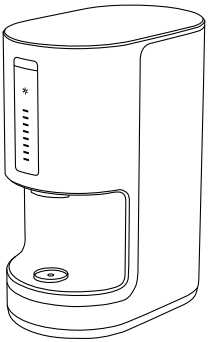


2 表面照射化工程の準備

- 電源が入ると本体前面のステータスLEDが点灯します。

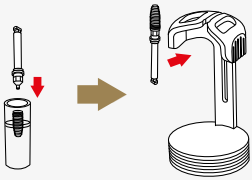
青色
：Vortex Holder モード

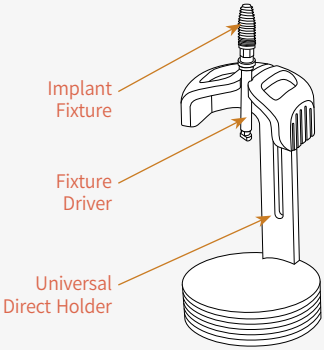
黄色
：Direct Holder モード



3-1 Universal Direct Holderを使用する場合 (前面LEDの色が黄色であることを確認します。)

- Fixture driverをUniversal Direct Holderに固定し、Implantを拾うします。

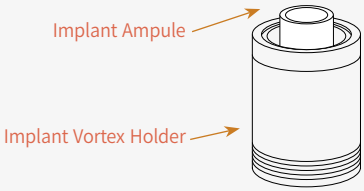


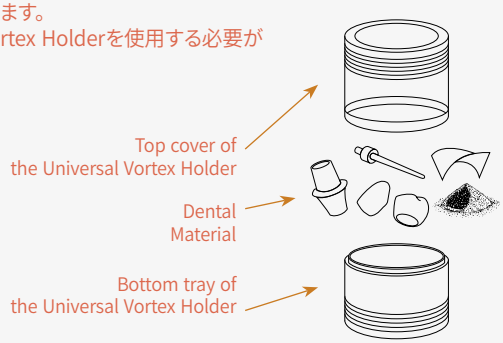


3-2 Implant Vortex HolderまたはUniversal Vortex Holderを使用する場合 (前面LEDの色が青色であることを確認します)

- アンプルは開封後に装着し、歯科用材料を適切なVortex Holderに装着します。

✓ アンプルのキャップは取り外されている必要があります。
✓ 使用中のインプラントブランドに合ったImplant Vortex Holderを使用する必要があります。

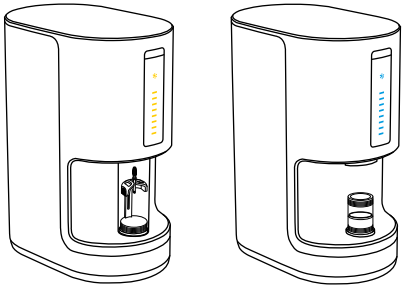




4 ホルダーの取付

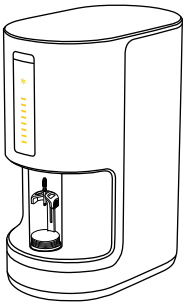
- 選択したホルダーをベースに取り付けます。

✓ ホルダーが正しく取り付けられていることを確認します。



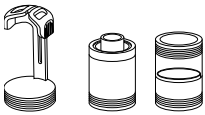
5 表面照射化工程の開始

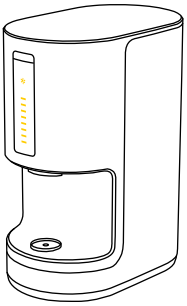
- 運転ボタンを押して表面照射化工程を開始します。

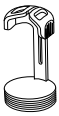
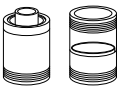


6 表面照射化工程の完了

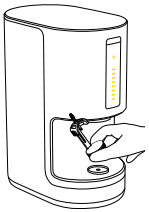
- 表面照射化工程が完了して真空チューブが自動で上昇したら、DDirect HolderまたはVortex Holderを回収してください。



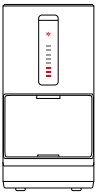


モード	イメージ	プラズマ表面照射	表面処理方法	備考
Universal Direct Holder		15 秒	直接放電	この方法を使用すると、以下のように、より迅速かつ効果的な方法で表面の汚染物質を除去することができます。
Implant Vortex Holder and Universal Vortex Holder		30 秒	間接放電	プラズマがバイアル内部まで浸透します。そのため、照射時間が長くなります。

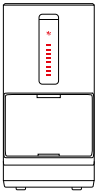
■ 故障かなと思ったら



- **真空チューブが下降したが、動作が開始されずにすぐ上昇する現象が発生した時**
  指や物が挟まれたことにより真空チューブがすぐに上昇する現象は、製品の不具合ではなく使用者保護機能によるものです。この場合は、運転ボタンを再度押すと正常に作動します。



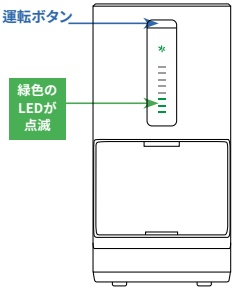
- **動作中に真空異常が発生した時(LEDが3個点灯)**
  真空チューブと接触部の間に異物がないか確認してください。異物を取り除いてから運転ボタンを再度押すと正常に作動します。



- **動作中に強制終了をしたい時**
  運転ボタンを約3秒間押すと、赤色のLEDが点滅しながら運転が中断されます。
  また、運転ボタンをもう一度押すと動作が再開されます。

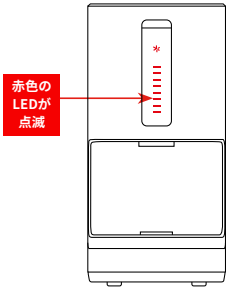
■ 機器の使用回数を確認する方法

本体上部のボタンを6秒以上長押しすると、使用回数に応じて製品前面に緑色のLEDが点滅します。



使用回数が1000回単位で増加する度に、緑色のLED点滅数が1個ずつ増加します。

HVPS(高圧電源装置)の使用可能な回数が100回未満になると、製品の電源をONにする度に、「交換アラーム」が鳴ります。



使用可能な最大回数を超えてしまうと、動作開始の際に本体の前面に「赤色のLEDが点滅」し、製品は作動しません。

機器を専用ワイプや柔らかい布で機器をやさしく拭いてください。

- 機器の電源を切った状態でのみ清掃を行ってください。
- 次亜塩素酸ナトリウム系または塩素系溶液を含む洗浄剤を使用しないでください。
- ケトン物質およびアセトン、エチルアルコール、トルエン、メチル酸または塩化メチル物質を使用しないでください。
- 機器やDirect HolderまたはVortex Holderが濡れていると、誤動作や損傷の原因となります。
  したがって、使用前に必ず乾燥させてください。

ACTILINK motion

※ We are not responsible for any accidents such as product damage due to use other than the instructions specified in this manual.

Manufacturer

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PN LA2-0009-02