DRUG RECONSTITUTION DEVICE

FOR PHARMACEUTICAL USE





What is a Drug Reconstitution **Device?**

It is a device to prepare vial drugs (liquid & lyophilized) and solutions easily and safely for administration.













We provide devices tailored to reconstitution and administration methods for various pharmaceuticals such as antibiotics, anti-cancer drugs and blood products.

Transfer needle

Vial-to-vial connection through simple procedures



Two Tock

Safe syringe-to-vial connection





Three Tock

Vial drug dissolution and syringe preparation

Reconstitution Steps

Complicated on-site procedures can be carried out safely and smoothly in several steps.

Transfer needle

Vial-to-vial connection

Needle types (e.g., metal and plastic) can be selected based on flow rates and applications. Needles can be designed based on drug vial diameters





Vial-to-device connection



Transfer and dissolution



Connection check



Dissolved



Connect to another vial







Vial-to-device connection

Connect to a solution syringe





Transfer and dissolution

Syringe suction



Two Tock

Vial-to-Syringe connection

Filters or differential pressure release structures can be added depending on drug properties.

Designs can be based on drug vial diameters.



Injection of solution

Reconstitution Steps

Complicated on-site procedures can be carried out safely and smoothly in several steps.

Examples



Three Tock

Vial-to-vial-to-Syringe connection

Filters or differential pressure release structures can be added depending on drug properties. Designs can be based on drug vial diameters.

Traditionally, there are many steps using a needle, and a high risk of erroneous administration, requires solution injection needle and administration needle, complicated dissolution procedures. Nipro Drug Reconstitution Device reduces solution procedure with needle and lower the risk of erroneous administration. No need of needle replacement. Enables preparation for administration in simplified steps.



Vial-to-device connection



Separate device



Connect to another vial



Connect syringe



Transfer and dissolution



Syringe suction



FAQ

Is this device applicable for foamy formulation? Is there any residual liquid in the device after it is used? Q:

For example, the size and angle of the needle can be adjusted to control dissolution rate through delayed dropping. In addition, the length and shape of the based on drug properties.

Q: We want the packaging to be easy to open and easy for users to identify.

Selecting packaging based on operability and usability will provide user-friendly products with increased total values. The most appropriate packaging Δ. specification (e.g., pack, blister, and dedicated case) is proposed according to the formulation properties and preparation methods.

Q: As the device comes in direct contact with a drug, there are concerns about bacterial contamination.

from making direct contact with needles or inner surfaces.

Making the complicated and troublesome procedures simple. Achieves improvement from the user's standpoint in drug solution reconstitution



needle can be adjusted according to the thickness of the rubber plug, minimizing the amount of residual liquid. The device can also be designed and developed

The drug preparation device is consistently managed from material receipt to product shipment, and is manufactured, inspected and sterilized in the same clean environment as that for medical devices, thereby realizing high quality. In addition, users can be provided with protective caps and covers to prevent them

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NIPRO EUROPE

Weihoek 3H, 1930 Zaventem, Belgium T: +32 (0)2 725 55 33 | www.nipro-europegroupcompanies.com

NIPRO PHARMAPACKAGING FRANCE

85 Avenue Pierre Grenier, Boulogne Billancourt 92100 T : +33 (0)1 4104 9009 | E: info@niproglassfrance.com

NIPRO STERILE GLASS GERMANY

Otto-Liebmann-Straße 2, 97702 Münnerstadt, Germany T : +49 (0)9733 808 0 | E: info@niproglassgermany.com

NIPRO PHARMAPACKAGING AMERICAS 1200 North 10th Street, Millville, NJ 08332 T: +1 (0)856 825 1400 | Toll Free: 1 (0)800 257 7047 E: info@niproglassamericas.com

