

UK Chemipharm Co.,Ltd.

*Innovative
Drug Injection Solutions*

Aseptic Manufacturing

*Strong Capabilities in
Drug Development*



Scan the QR code to view our online brochure

www.ukchemipharm.com



UK Chemipharm

“Promote Public Health Worldwide”

We are committed to patient-centered innovation, ensuring that patients receive the best possible treatment in a safe environment.

We have pioneered an all-in-one KIT (UK injection kit) in Korea that innovatively reduces the risk of in-house infections that can occur during the mixing of injections and fluids.

We are committed to leading the market in providing high-quality medicines that ensure the best possible outcome for every patient.

UK Chemipharm Co.,Ltd.

Located Ansan-si, Gyeonggi-do, Republic of Korea
www.ukchemipharm.com & erichong@chemipharm.co.kr

Oh Pharmaceutical Co.,Ltd.

Located Oak Brook, Illinois, US.
info@ohpharma.com & ohgibum@ohpharma.com



UK INJ. KIT prevents nosocomial infections

About UK INJ. KIT(Full-Kit) UK Inj. KIT is the first safety injection device(RTU: Ready-To-Use) developed to minimize the risk of infection through aseptic preparation with a closed-system formulation in south Korea.

Advantage

✓ Safety

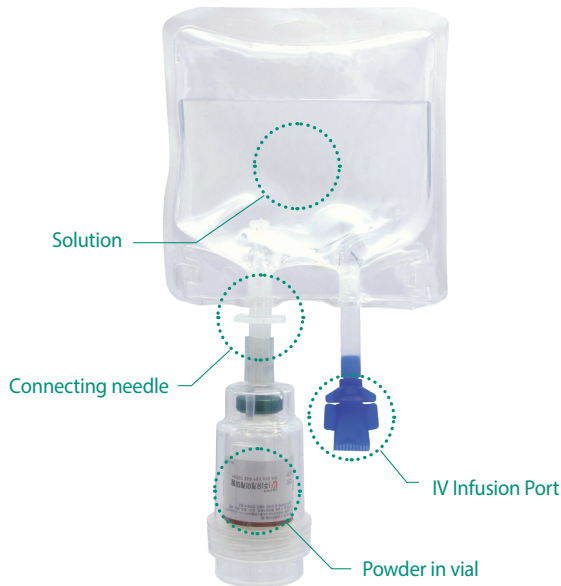
Prevention of bacterial contamination and contamination of foreign substances during preparation.

✓ Convenience

Reduced dispensing time to less than 1/2 compared to conventional IV injection method.

✓ Cost effective

Infection prevention has the effect of reducing medical costs.

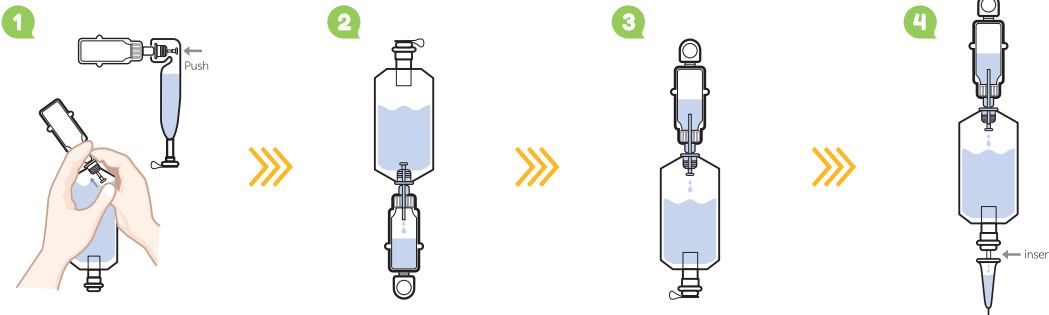


| For US Market Development |



| Domestic Use |

How to Use UK INJ. KIT



How to Use

- 1 Push connecting needle in the direction of the vial at a horizontal angle.
- 2 Turn the vial downward, squeeze and release in order to force the solution into the vial until it is half full and shake lightly to dissolve the drug completely.
- 3 After dissolving the drug, move the vial upwards and squeeze saline solution bag so that the entire amount of the drug goes into the dissolved solution. If undissolved drug remains in the vial, repeat until vial empty.
- 4 Peel off the cover seal on the outlet and insert the infusion set.

The method of use is the same as Domestic Use and US Market Development.

HALF KIT

enhances convenience in injection preparation

Applicable to most commercially available vials Products containing various solutions at different volumes are available

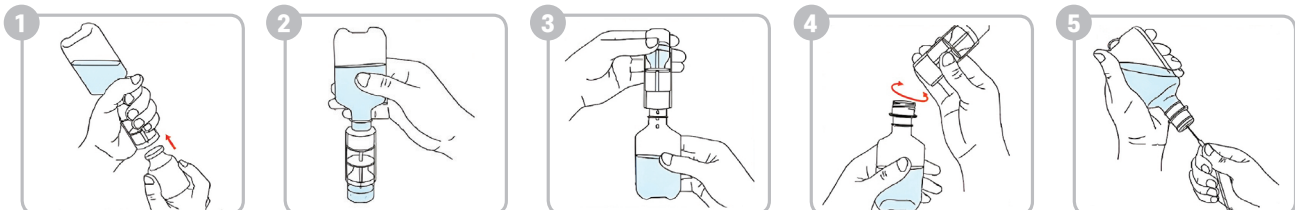
- Solutions: Normal Saline, 5% glucose, water for injection
- Volumes: 100ml, 110ml, 200ml, 250ml



| EXPANSION TYPE |

| BASIC TYPE |

How to use UK Half-Kit



- 1 Peel off the cover seal from the Vial-adapter. Push and press the Connecting Needle through the septum of the vial.
- 2 Turn the whole kit upside down, squeeze and release in order to force the solution into the vial until it is half full, and shake the vial gently to dissolve the drug completely.
- 3 Turn the whole kit upside down again, squeeze and release in order to force the solution back into the bottle. Repeat this until vial is empty
- 4 Turn the whole Vial-adapter counterclockwise to remove it from the bottle.
- 5 Insert the infusion set into the bottle containing the prepared drug solution. Start Intravenous administration..



How to Use

UK Chemipharm is committed to continuous pharmaceutical innovation.

Since the establishment of its R&D center, UK Chemipharm has been focusing on various R&D activities to make a leap into a global pharmaceutical company.

R&D

Antibody-Drug Conjugates (ADC)

Part 1

Antibody-Drug Conjugates (ADC)

Antibody Linker Payload (Cytotoxic Drug)

PATENT PENDING

UK Chemipharm Co., Ltd.

Materials and Methods

Irinotecan

UK Chemipharm Co., Ltd.

Our mission

Antibody Linker Payload (Cytotoxic Drug)

Antibody

- Humanization
- Fc modification
- RCB - cell line selection
- MCE/WCB - scale and sites
- Process optimization
- GLP tox sample production
- GMP production - scale

Linker

- Cleavable vs non-cleavable
- Site-specific?
- Process development
- GMP vs non-GMP

Cytotoxic payload

- CMO selection
- Process development (scale, timeline)
- GMP production

Common

- Analytical method development
- Time line management (contract, supplying raw materials, logistics)

UK Chemipharm Co., Ltd.

GalNAc-Drug Conjugates (GDC)

Part 2

GalNAc-Drug Conjugates (GDC)

GalNAc

A Acetyl-galactosamine (GalNAc): Bound to ASGPR (Asialoglycoprotein receptor) specifically present in the liver cell

ASGPR GalNAc Linker Payload (Cytotoxic Drug or others)

PATENT PENDING

UK Chemipharm Co., Ltd.

Materials and Methods

UK Chemipharm Co., Ltd.

Future Direction

Antibody drug conjugates(ADC) are gaining popularity due to their ability for targeted cancer cell therapy which lessens adverse side effects to normal tissue.

A suitable payload and linker antibody combination is very important for successful targeted therapy.

ASGPR receptors are especially widely distributed in the liver cell.

GalNAc-Drug Conjugates(GDC) is a specific key technology in guiding liver disease treatments to liver tissue.

UK Chemipharm Co., Ltd.

Sphingosine-1-phosphate (S1P)

Part 3

Sphingosine-1-phosphate (S1P)

PATENT PENDING

UK Chemipharm Co., Ltd.

S1P pathway

Future Direction

Neovascularization, Cell regeneration, inhibition of apoptosis
Collagen activation and Cell proliferation effect.

Currently, research is being conducted on various cosmetics as functional raw materials.

Applicable to promoting future items and high value-added industries.

UK Chemipharm Co., Ltd.

APIs

Antibacterial : Flomoxef Na, Fosfomycin Na
 Contrast Media : Iomeprol
 Analgesic : Zaltoprofen

Kegel-Q[®] / BeProMass[®]

FOR WOMEN

FOR MEN

BASIC FUNCTION Biofeedback / Measurement / Heating and ultrasonic power / Data memory /
Language service / Rechargeable / Bluetooth and Mobile control

Medical Device

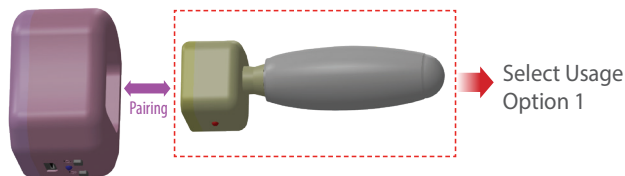
We develop and supply innovative personal medical devices for the qualitative improvement of daily human life, especially for the treatment and improvement of urogenital diseases in women and men of the middle age. All functions are operated through mobile device, and personal information is safely managed in mobile device.

Kegel-Q[®]

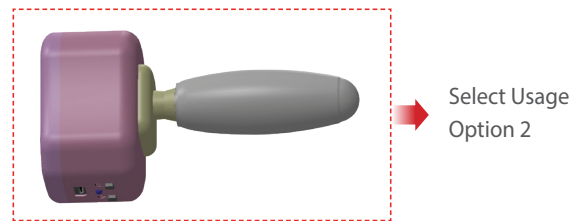
FOR WOMEN

Prevention & Improvement on Urinary Incontinence

- Horizontal expansion (patented) for maximized clinical efficiency
- Vibration & warm heating provide a comfortable experience for the user
- Various programmed & mobile-controlled Kegel exercise



| DETACHABLE |



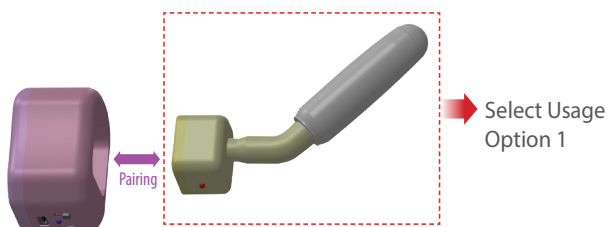
| COUPLING |

BeProMass[®]

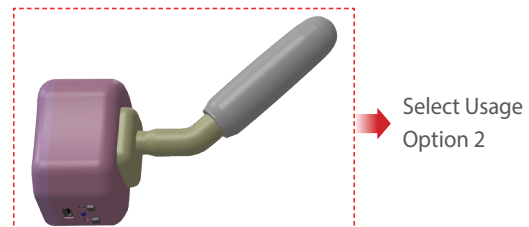
FOR MEN

Benign Prostate Massage

- Implementation of classic finger massage on benign prostate
- Targeted probe expansion on target spot for precise contact
- Fat cell lysis by sonic on prostatic hyperplasia
- Warm heating for comfortable to user



| DETACHABLE |



| COUPLING |