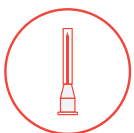




HYPODERMIC NEEDLES

THE PACKAGING MAKES A DIFFERENCE



Experienced Manufacturer of Hypodermic Needles

Nipro is a global manufacturing leader of premium hypodermic needles with over 40 years of experience. This vast expertise is reflected in an excellent product quality.

Curacase™ needles are known for their exceptional needle quality and easy-to-integrate unit pack design.

Smooth Administrations

Color-coded labels enable healthcare workers to select the required needle size quickly and accurately. Prior to use, the **tamper-proof labels** provide visual confirmation of the unused state of the needles.

The ergonomically-designed packaging allows a firm grip resulting in a **very easy opening and removal** of the cap.

Nipro's proprietary grinding process results in an exceptionally **sharp lancet point** able to penetrate tissue smoothly. Plus, there is an **excellent gliding performance** of the homogeneously-siliconized cannula. Both attributes contribute to smooth administrations.

For higher viscous medication, thin-wall needles are offered. While having the same outer diameter, **thin-wall needles** have a larger inner diameter. Increased flow rates enable the use of smaller gauge sizes for more viscous medicines, resulting in less discomfort for patients.



● 21 G	● 25 G
● 22 G	● 26 G
● 23 G	● 27 G

Optimized Processability

Curacase needles are individually packed in **hard plastic packaging**. The compact unit packs **take up little space** in secondary packaging when being by-packed. The specific design (rips, flanges, round shape) of the unit packs **supports compatibility with feeders and automated pick-and-place systems**.

Moreover, the label on each unit pack is color-coded and shows a 2D Data Matrix UDI barcode allowing **easy, in-line product identification** by vision systems.

Highly Controlled Production Process

The Curacase needles are carefully manufactured on state-of-the-art manufacturing lines. At multiple points throughout the production process, 100% in-line visual inspection systems control the set-out quality attributes of the needles. The production takes place in an ISO 8 cleanroom environment in a Nipro plant located in Japan. The site is compliant to ISO 13485 and ISO 14001.

Product Range

Needle	21 G (0.8 mm)		22 G (0.7 mm)		23 G (0.6 mm)		25 G (0.5 mm)		26 G (0.45 mm)		27 G (0.4 mm)	
	RW	TW	RW	TW	RW	TW	RW	TW	RW	TW	RW	TW
½" (13 mm)	—	—	—	—	—	—	—	—	—	—	● Grey	● Grey
⅝" (16 mm)	—	—	—	● Black	—	● Blue	—	● Salmon	● Brown	—	● Grey	● Grey
1" (25 mm)	—	—	—	● Black	—	● Blue	—	● Orange	● Brown	—	● Grey	● Grey
1 ¼" (32 mm)	—	—	—	● Black	—	● Blue	—	● Orange	● Brown	—	● Grey	● Grey
1 ½" (38 mm)	—	● Green	—	● Black	—	● Blue	—	● Orange	● Brown	—	● Grey	● Grey

G = Gauge | RW = Regular Wall | TW = Thin Wall | ● = Label color

Standards & General Specifications

Standards (non-exclusive)	Description
ISO 6009	Hypodermic needles for single use
ISO 7864	Sterile hypodermic needles for single use
ISO 15510	Stainless steel
ISO 80369-7	Small-bore connectors for liquids and gases in healthcare applications
ISO 11135	Sterilization of healthcare products - ethylene oxide
ISO 10993	Biological evaluation of medical devices

Medical device
CE-marked*
Sterile EtO
Single use
Shelf life: 5 years



*CE marking activities are in progress

Nipro PharmaPackaging is specialized in developing and manufacturing advanced pharma packaging products and complete packaging solutions for early development drugs or the enhancement of packaging solutions for existing drugs.

With a worldwide manufacturing footprint of 19 plants, multiple sales offices, and internal lab services, Nipro PharmaPackaging offers an exceptional service platform. Through our personnel, products, and services, Nipro PharmaPackaging enables you to provide a safer and healthier administration to your customers.

Nipro PharmaPackaging is part of Nipro Corporation Japan, established in 1954. As a leading global healthcare company with over 35.000 employees worldwide, Nipro serves the Pharmaceutical, Medical Device, and Pharma Packaging industries.

