

Product variety of our insulin pen needles:

The insulin pen needles from the Accu-Fine product range allow for a gentle injection as well as particularly safe & practical handling.

Good to know

Standard needle length:

A needle length of 4–5 mm is generally sufficient – regardless of gender¹ or stature¹ and age, provided the injection is correctly administered vertically (90° angle) and the 10-second rule is applied.

Longer needle:

Using a needle with a length of 8 mm and longer – and forming a fold in the skin – an injection can be administered at a 45° angle. This also reduces the risk of insulin leaking from the injection site.

The diameter of the needle is also important:

- The lower the gauge number (G), the larger the needle diameter and the higher the insulin flow. In combination with a long needle, this means less effort for the patient.
- The higher the gauge number (G), the smaller the needle diameter and the lower the insulin flow. For the patient, this means more effort is needed.

¹ Michael A. Gibney et al. (2010), Skin and subcutaneous adipose layer thickness in adults with diabetes at sites used for insulin injections: implications for needle length recommendations, Current Medical Research and Opinion 26:6, 1519–1530.

Accu-Fine Pen Needles 100 ct Carton Box

0,33 mm (29G) × 12,7 mm

0,30 mm (30G) × 8 mm

0,25 mm (31G) × 8 mm

0,25 mm (31G) × 6 mm*

0,23 mm (32G) × 6 mm*

0,25 mm (31G) × 5 mm

0,23 mm (32G) × 4 mm

* available soon



To find out more about the Accu-Chek products and how they contribute to improving diabetes therapy, visit www.accu-chek.com.

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ACCU-CHEK®

ACCU-FINE®

Roche

Gentle injection and practical handling
The Accu-Fine needles for all common insulin pens.

New



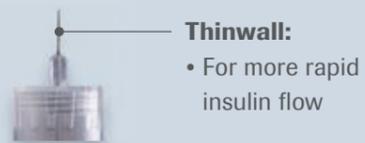
ACCU-CHEK®

The Accu-Fine insulin pen needle

Features designed for you.

The advantages at a glance

The high-quality insulin pen needles from the Accu-Fine product range allow for a **gentle injection** as well as **safe** and **practical*** handling. Thanks to their features, the Accu-Fine pen needle tips penetrate the tissue in a gentle way.

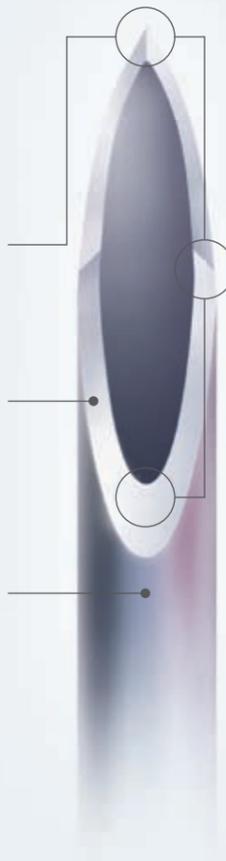


Needle tip with 3 special features

Special cut for gentle insertion under the skin

Thinwall for more rapid insulin flow

Special coating for gliding into the skin



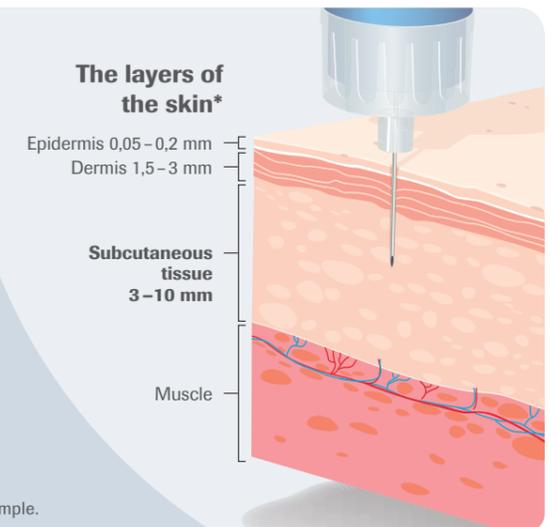
Insulin injection

Recommendations for correct daily use.

Correct selection of the Accu-Fine insulin pen needle

Only when using the correct needle and injection method can it be ensured that the insulin is injected into the subcutaneous tissue, and not into the muscle or dermis.

The **shorter** the needle, the lower the risk of administering the injection into the muscle – which can be painful and also lead to the insulin reaching the blood too fast. Furthermore, the injection is less painful, the **thinner** the needle is.

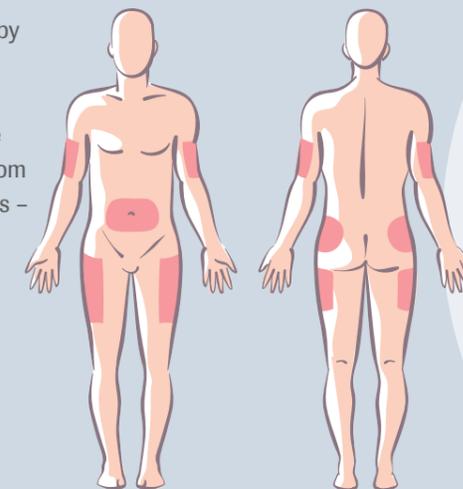


*Illustration shows the skin layers of an adult with a normal weight by way of example.

Injection sites

Each type of insulin is absorbed by the body at varying rates, i.e. the speed of efficacy also varies. In addition, the speed at which the insulin reaches the circulation from the different injection areas varies – depending on which area you choose:

- **Abdomen:** Most rapid onset of action
- **Thigh:** Delayed onset of action
- **Buttocks/hip:** Slowest onset of action



Change injection sites regularly – clockwise within each area or from area to area

Changing the needle after each injection

Using the same needle repeatedly can lower the effect of the injection and lead to infections and lipodystrophy (change of the subcutaneous adipose tissue). For this reason, the needle must absolutely **be changed after every use.**



Changing the injection site regularly

Frequent injections into the same site may lead to lipodystrophy (change of the subcutaneous adipose tissue), which may delay the effect of the insulin. For this reason, **the injection site should be changed regularly.** If possible, not more than one injection per week should be administered into the same square centimeter of skin. The clockwise

rotation method is **helpful here:** The injection site should be moved around the navel twice a week like on the face of a clock. Alternatively, the **insulin injection can be administered into different parts of the body**, for example into the lower abdomen in the morning and into the arm at night.

* The Accu-Fine pen needles are compatible with most of the current insulin pens. For details please ask your doctor or medical staff.