

# Accurate dosing of antibiotics

Accurate dosing is based on the pig's weight. Treatment will be ineffective if the dose is too low. If the dose is too high, an unnecessarily large amount of antibiotics is used.

## Always know kg pig to be treated

- All drugs are dosed according to kg pig and not according to inclusion rates in water or feed

## Calculation of dose required

- Dose in **ml** = dose in ml antibiotic/kg × kg liveweight
- Dose in **gram** = dose in g antibiotic/kg × kg liveweight

## Treatment administered by injection

- A pig of 30 kg is treated with antibiotic A
- Dose (example): 1 ml per 15 kg pig

$$\text{Dose} = \frac{30\text{kg}}{15\text{kg/ml}} = 2 \text{ ml}$$

## Treatment administered via drinking water or feed

- A section of 500 weaners of av. 15 kg is treated with antibiotic B
- Dose: 40 g per 100 kg pig

$$\text{Kg pig} = 500 \text{ pigs} \times 15 \text{ kg} = 7500 \text{ kg}$$

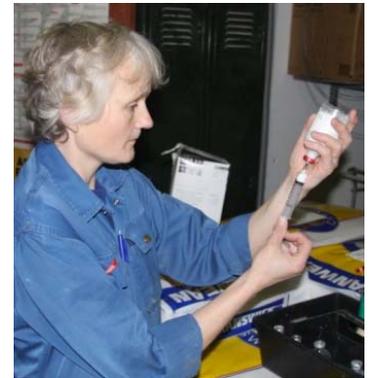
$$\text{Dose} = \frac{7500 \text{ kg}}{100\text{kg}} \times 40 \text{ g} = 3000 \text{ g}$$

## Personal safety:

- There is a risk of allergic reactions in case of contact with antibiotics
- Wear gloves
- Wear P2 mask when mixing antibiotics
- Avoid dust production when mixing antibiotics and feed



Know how much the pig weighs



Antibiotics for injection



Weighing of antibiotics for treatment in feed or drinking water