

# ADMIXING ANTIBIOTICS TO BONE CEMENT

Heraeus Education



## QUICK NOTES ON ADDING ANTIBIOTICS TO BONE CEMENT

- **Use only antibiotics in powder form; Liquid antibiotics are not compatible with the monomer and interfere with polymerization, altering the mechanical strength of the bone cement.**
- **Do not exceed more than 10% of total cement volume. For example, a 40g box of cement can have a maximum of 4g total antibiotic. If the cement already contains 1g of antibiotic, only 3g of antibiotic should be added.**
- **Have separate bowls for cement powder and antibiotic and know the amounts in each.**
- **‘Grind’ up the required amount of antibiotic first, then add to the powder.**
- **Remember, with Palacos, ‘liquid first then powder/antibiotic’.**
- **Cement can be placed in fridge prior to operation to allow for longer working times and ease of mixing - keep in mind this will lengthen the cement setting time.**