

**Task:****Application field:** Medicine / Pharmaceuticals**Material:** Pieces of bones**Feed size:** 0-5 mm**Feed quantity:** 300 mg – 500 mg**Material specification(s):** tough**Customer requirement(s):** Sample preparation without metallic contamination, final fineness < 100 µm**Subsequent analysis:** DNA Desoxyribo Nuklein Acid**Solution:****Selected instrument(s):** MM 200 Mixer Mill**Configuration(s):** Grinding jar with cover 25 ml, Zirconium oxide  
Grinding ball Ø 20 mm Zirconium oxide**Parameter(s):** Frequency 20/s,  
a higher frequency can break or destroy the ceramic jars**Time:** 60 - 90 s**Achieved result(s):** predominantly < 100 µm**Remark(s):** The optimum material quantity for a grinding jar should be approximately a third part of the jar volume.**Recommendation:** For fine grinding of different bone substances the Mixer Mill MM 200 is suitable under the above mentioned conditions.