

**Task:****Application field:** Medicine / Pharmaceuticals**Material:** Agar**Feed size:** 20-100 µm**Feed quantity:** 8 g**Material specification(s):** soft, temperature sensitive**Customer requirement(s):** < 20 µm**Subsequent analysis:** Particle Size Analysis**Solution:****Selected instrument(s):** CryoMill**Configuration(s):** Grinding jar stainless steel 50 ml for CryoMill; Grinding ball stainless steel 25 mm ø**Parameter(s):** Pre-cooling 10 min  
Frequency 25 Hz**Time:** 7 min.**Achieved result(s):** d10 = 5.4 µm  
d50 = 12.8 µm / 70 % < 20 µm  
d90 = 53.5 µm**Remark(s):** For a higher fineness the grinding time has to be increased.**Recommendation:** The CryoMill is suitable to grind the sample material under the above mentioned conditions.