



Human Hair

Application

Market segment:	Biology
Material:	Human hair
Feed size:	Until 30 mm (length)
Feed quantity:	200 ml
Material specification(s):	Fibrous, fatty
Customer requirement(s):	< 100 µm
Subsequent analysis:	DNA extraction

Solution

Selected instrument(s):	Planetary Ball Mill
Configuration(s):	Grinding jar of stainless steel 12 grinding balls Ø 20 mm
Working settings:	Revolution speed 380 rpm
Time:	45 - 60 min
Achieved result(s):	< 100 µm
Remark(s):	For smaller quantities, a grinding jar of 25 ml with 5mm tungsten carbide ball was used
Recommendation(s):	For fine grinding of different hair samples, the Planetary Ball Mill is suitable under the above mentioned conditions.



Hair

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