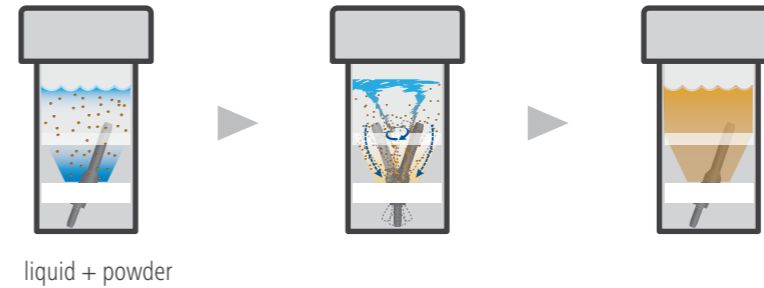# The IKA® Tubes

ST TUBE
Tube with stirring device

50 ml
20 ml

Suitable for:
- Mixing
- Stirring
- Extractions
- Preparation of soil sample suspensions

Application examples for ST Tube

- Dissolving properties of drugs
- Incorporation of coloured pigments into a solvent
- Accelerated dissolution of sugar solutions
- Extraction of plant substances
- Accelerated dissolution of tablets, dragées, suppositories and capsules
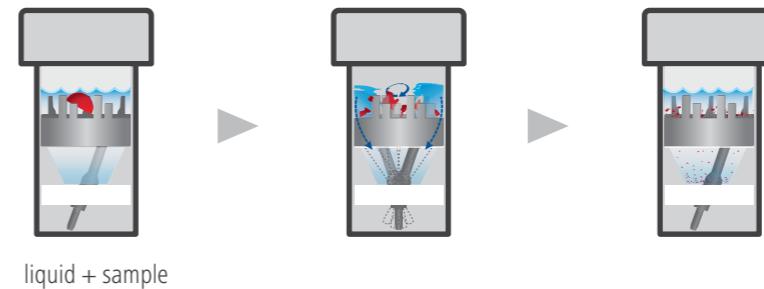- Mixing of fluids with higher viscosities

liquid + powder

DT TUBE
Tube with rotor-stator element

50 ml
20 ml

Suitable for:
- Dispersion
- Homogenization
- Suspensions
- Pharmacokinetics
- Metabolism studies
- Diagnosis

Application examples for DT Tube

- Homogenization of tissue samples including brain, liver, muscle tissue, kidney and lung
- Milling of plant samples including rosemary, rapeseed, tomato seeds, grapes, potatoes, cress, leaves and roots
- Production of O/W and W/O emulsions
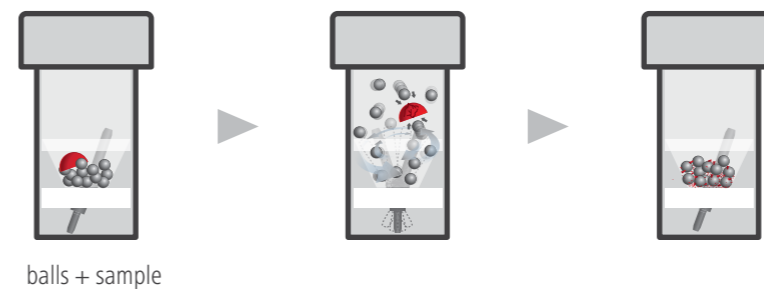- Homogenization of effluent samples

liquid + sample

BMT G / S TUBE
Tube for grinding with glass balls (G) or with stainless steel balls (S)

50 ml
20 ml

Suitable for:
- Dry milling of dry and brittle samples (e.g. kaolin, gypsum, colored pigments, tablets)
- Cell maceration
- Processing of materials mixed with fluids

Application examples for BMT G/S Tube

- Decomposition of animal, plant and human cells
- Dry milling of e.g. pigments, building materials and coal samples
- Dry milling of freeze-dried samples
- Milling of samples to determine water content

balls + sample

All tubes are also available with a pierceable membrane and gamma-sterilized

Application examples for M Tube

- Sample extraction from dissolved pharmaceuticals
- Addition of a reaction partner, e.g. for pigment reactions
- Storage of samples in the tube, with option to remove material from the closed container at any time

Application examples for gamma-sterilized Tube

- Homogenization of sterile samples e.g. for medical, pathology or pharmaceutical use
- Storage of sterile sample material after preparation directly in sample vessel (even at temperatures down to -20 °C)
- Simple handling preparation of aseptic samples in the laboratory

DT TUBE

- Tube lid
- Rotor
- Stator
- Rotor drive
- Pestle
- Membrane
- Membrane fixation
- Vessel