



designed for scientists

Questionnaire

/// IKA Laboratory Equipment



Thank you for your interest in our Application Support.

To be able to offer you the best possible solution for your material we kindly ask you to complete this questionnaire and send it to applicationsupport@ika.in.

If you would like us to test your application, please send us your sample and we will test it with a suitable device in our application laboratory.

Please note that if the form is not completed in its entirety, we will be unable to process your sample due to safety regulations.

Your information is confidential and if you would like to find out more about our privacy statement, please visit www.ika.com.

YOUR CONTACT INFORMATION

Institute / Company:	Street:
Name:	City:
Title:	State / Country:
Department / Laboratory No.:	Zip code:
eMail:	Phone:

IKA product group or application field

Describe the process

(Description of sample, condition, amount, viscosity / granulation, risk and safety statements / Hazard Class)

Important: Please inform us about any hazardous materials by including the corresponding MSDS!

MSDS necessary: ☐ YES ☐ NO

Can the material be pre-treated / tempered?

☐ Degreased ☐ Dried ☐ Heated (up to) °C ☐ Cooled (down to) °C

Which method of preparation has been used so far?

In which context are the samples prepared?
☐ Quality control ☐ Production control ☐ Research ☐ Other:

Living viral material, radioactive and explosive substances, pesticides or other hazardous materials will not be accepted by IKA.



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MIXING

Magnetic Stirrers

☐ Only heating ☐ Only stirring ☐ Heating and stirring ☐ Multi position ☐ Single position

Range:

Volume: l Speed: rpm
Temperature: °C Vessel: diameter: mm, total height: mm, filling height: mm

Additional features:

☐ External sensor ☐ Heating block systems (to replace oil bath & heating mantles) ☐ Ceramic top for chemical resistance
☐ pH measurement ☐ Weighing function ☐ PC controlled ☐ Timer ☐ Programmable functions

Overhead stirrers

Range:

Volume: l Speed: rpm Viscosity: mPas(@25°C),
or similar to: ☐ Water ☐ Oil ☐ Honey or other:
Vessel: diameter: mm, total height: mm, filling height: mm

Choice of stirring elements:

☐ Propeller ☐ Turbine ☐ Centrifugal ☐ Paddle ☐ Anchor ☐ Dissolver
☐ Spiral ☐ Moebius ☐ Blade ☐ You want us to suggest the element?

Additional features:

☐ Integrated temperature measurement ☐ Remote controlled by wireless controller ☐ Reverse function
☐ Programmable functions ☐ PC controlled ☐ Timer ☐ Torque measurement
☐ Trend or ☐ Accurate (by sensor)

Shakers

Type of shaking: ☐ Vibrating / Vortex ☐ Orbital ☐ Reciprocal ☐ 2D rocking ☐ 3D rocking ☐ Rolling ☐ Rotating

Range:

Volume: l Speed: rpm Temperature: °C

Vessel description:

☐ Centrifuge tubes ☐ Plates (Microtiter/Deepwell) ☐ Erlenmeyer flasks ☐ Test tubes / Cuvettes
☐ Beakers ☐ Culture bottles ☐ Fernbach flasks ☐ Separating funnels ☐ Others:

Vessel dimension:

Number of vessels: Total weight: kg

Additional features:

☐ Programmable functions ☐ Timer ☐ PC controlled
☐ Temperature control / Incubating, temperature range: °C



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CRUSHING

Dispersers

- | | | | | |
|--|--|---|--|-------------------------------------|
| ☐ Cell disruption / Tissue homogenization | ☐ High shear mixing | ☐ Homogenizing | ☐ Emulsifying | ☐ Suspending |
| ☐ Dispersing | ☐ Dissolving | ☐ Breaking of agglomerates | ☐ Particle size reduction (wet milling) | |

Range:

Volume: l Speed: rpm Viscosity: mPas (@25°C), or similar to: ☐ Water ☐ Oil ☐ Honey or other:
Temperature: °C Vessel: diameter: mm, total height: mm, filling height: mm
Pressure / Vacuum: bar

Initial particle size: mm Desired particle size: µm
☐ Liquid / Liquid ☐ Liquid / Solid (ratio in % /) ☐ Abrasive sample

Additional features:

- | | | | | |
|---|--------------------------------|--|---|--|
| ☐ Programmable functions | ☐ Timer | ☐ PC controlled | ☐ Integrated temperature measurement | ☐ Easy clean tool |
|---|--------------------------------|--|---|--|

Mills

- | | | |
|--------------------------------|-------------------------------------|-------------------------------------|
| ☐ Batch | ☐ Continuous | ☐ Single use |
|--------------------------------|-------------------------------------|-------------------------------------|

Sample characteristics:

- | | | | |
|-------------------------------|----------------------------------|-------------------------------|----------------------------------|
| ☐ Hard | ☐ Brittle | ☐ Soft | ☐ Fibrous |
|-------------------------------|----------------------------------|-------------------------------|----------------------------------|

Range:

Volume: g Feed size: Fineness: Hardness (mohs scale 1 – 9):

Additional features:

- | | | |
|---|---|--|
| ☐ Programmable functions | ☐ Timer function | ☐ PC controlled |
|---|---|--|

Feed cooling option:

- | | | |
|----------------------------------|--|--|
| ☐ Dry ice | ☐ Liquid nitrogen | ☐ Water (for the chamber) |
|----------------------------------|--|--|

HEATING TEMPERING

Temperature Control

- | | | |
|--|--|--|
| ☐ Immersion circulator | ☐ Heating bath circulator | ☐ Recirculating chiller |
| ☐ Refrigerated and heating circulator | ☐ Dry Block Heater | ☐ Drying ovens |

Range:

Temperature min./max.: / °C Volume (bath / external): l
Pump performance: l/min Pressure: bar Heating / cooling capacity: W

Vessel (only applicable for Dry Block Heater and open bath versions)

Number: Type: ☐ Flat bottom ☐ Conical bottom ☐ Round bottom ☐ Others:
Diameter: mm, filling height: mm

Accessories required:

- | | | | | |
|---|--|---|---|--------------------------------------|
| ☐ Fluid level controller | ☐ Thermal fluid | ☐ Temperature sensor | ☐ Magnetic valve | ☐ Bath vessel |
| ☐ Cooling coil | ☐ Tube racks | ☐ Tubing | ☐ Others: | |

Additional features:

- | | | |
|---|---|---|
| ☐ External temperature control | ☐ Remote controlled by wireless controller | |
| ☐ Programmable functions | ☐ PC controlled | ☐ Multi-I/O-port |



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SEPARATION / DISTILLING

Rotary Evaporators

☐ Basic model	☐ Semi-automatic model	☐ Automatic model
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Glassware:

☐ Vertical	☐ Diagonal	☐ Dry-ice	☐ Reflux
☐ Double-jacketed	☐ Coated	☐ Others:	

Range:

Volume: l	Temperature: °C
Pressure / Vacuum: mbar	Flow rate: Cooling capacity:

Accessories required:

☐ Chiller	☐ Vacuum source	☐ Others:
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Additional features:

☐ Volume controlled distillation	☐ Integrated solvent library	☐ Automatic boiling point detection
☐ Vacuum controller	☐ Programmable functions	☐ Timer function ☐ PC controlled ☐ Solvent library

Centrifuges

Range:

Speed: rcf	Speed: rpm	Temperature: °C
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Vessel description:

Vessel dimension:	Number of vessels:	Total weight: kg
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Additional features:

☐ Programmable functions	☐ Timer	☐ PC controlled
☐ Temperature control / Incubating, temperature range: °C		

REACTOR SYSTEMS

Lab reactor

Reaction vessel:	☐ Glass	☐ Stainless steel	☐ Bottom drain	☐ Double wall
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Range:

Temperature min./max.: / °C	Volume max: l	Vacuum or pressure: mbar
Speed: rpm	Viscosity: mPas(@25°C), or similar to: ☐ Water ☐ Oil ☐ Honey or other:	

Additional features:

☐ Temperature control option	☐ Remote controlled by wireless controller	☐ Reverse function
☐ Flow breaker	☐ Programmable functions	☐ PC controlled
☐ Dispersing, refer to: section Disperser	☐ Torque measurement	
☐ Trend or ☐ Accurate (by sensor)	☐ pH measurement	



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ANALYTICAL TECHNOLOGY

Calorimeter (Oxygen bomb calorimeters)

Sample details:		Number of samples per day:	
Compliance to any standards:	☐ NO	☐ YES, standard: (DIN, ISO, ASTM)	
Preferred measuring methods:	☐ Isoperibol	☐ Adiabatic	☐ Static jacket ☐ No preference
Sample contain halogen / sulfur:	☐ NO	☐ YES, concentration range:	
Additional features:			
☐ Automatic water handling system	☐ Automatic vessel identification	☐ Connection for balance, printer	
☐ PC controlled, evaluation software	☐ In built correction facility for net calorific value		

Viscometer (Rotational viscometer)

Sample details:		Number of samples per day:	
Range:			
Sample volume:	ml	Spindle:	Speed: rpm or shear rate: 1/s
Approx. viscosity:	mPas(@	°C), or similar to:	☐ Water, ☐ Vegetable oil, ☐ Honey, ☐ Peanut butter or other:
Temperature:	°C	Vessel: diameter:	mm, filling height: mm
Compliance to any standards:	☐ NO	☐ YES, standard: (DIN, ISO, ASTM)	
Current used system:			
Brand	Spindle		
Additional features:			
☐ Tempering system	☐ PC controlled, evaluation software		