

ahn

2020/21  
BENCHTOP  
CATALOGUE



The logo for AHN, consisting of the lowercase letters 'ahn' in a white, sans-serif font, centered within a dark grey triangular shape. The background of the entire page is a light grey with faint, stylized molecular structures in the upper corners.

# ahn

For over twenty years AHN Biotechnologie GmbH has been an OEM manufacturer of consumables for many top life science brands and distribution companies in Germany and worldwide. Located in Nordhausen, Germany, our state of the art production facility meets and exceeds the strict requirements of the most well-known brands we are supplying.

Now, it is time for AHN Biotechnologie GmbH to introduce its own brand and provide value directly to scientists worldwide. Besides our current products we are strengthening our brand by introducing a comprehensive range of consumables, liquid handling instruments and laboratory equipment. Our unique combination of flexibility, innovation and high level manufacturing automation will ensure laboratory products fulfilling the needs of worldwide customers and complying with the quality they desire.

Our know-how within pipette tips production has now been strengthened by the implementation of newly developed Swiss molds, leading to the launch of new tip-lines, matching the strict standards of modern lab industry. Our goal is to offer the markets best value for money on pipette tips and other AHN products.

To obtain the most optimal performance of our consumables, we have been continuously working on the improvement of our instruments. The new pipet4u<sup>®</sup> pro pipettes, with improved accuracy and greater user-friendliness along with the brand new AHN myDpette bottle top dispensers, convince by simplicity of use combined with the highest quality of workmanship. With our pipet4u<sup>®</sup> Revolution we offer an affordable range of electronic pipettes. Profit from the benefits of electronic dispensing, such as improved precision and multi dispensing function.

The AHN myLab<sup>®</sup> products are being brought to market with one thing in mind: YOU. A wide range of centrifuges, stirrers and shakers are available in a variety of sizes, multiple accessories and more features than most of the competitors.

We invite you to explore the new AHN and discover a better way to source your laboratory equipment and consumables.

[www.ahn-bio.de](http://www.ahn-bio.de)



## List of Contents

Microcentrifuge 6000 rpm	4
High Speed Microcentrifuge 15000 rpm	5
Clinical Centrifuge 4000 rpm	6
Hematocrit Centrifuge 12000 rpm	7
Universal Centrifuge 4500 rpm	8
Mini Vortex Mixer 4500 rpm	10
Vortex Mixer 2800 / 4800 rpm	11
Single Plate Magnetic Stirrer 1500 rpm	12
Heated Magnetic Stirrer 1500 rpm	13
Tube Roller 30 rpm	14
Tube Rotator 30 rpm	15-16

# ahn myLab MC-01

## Microcentrifuge 6000 rpm

4

**Usage** - separation of particles from suspension or macromolecules from solutions

**Capacity** - 8-place closed rotor for 1.5 mL / 2.0 mL micro tubes

**Maximum Speed** - 6000 rpm / 2000 x g

**Multiple tube options** - adaptors for 0.2 mL / 0.5 mL tubes available

**Unique closed rotor design** - ensures better airflow through low-friction, stability for temperature sensitive samples through low heat generation and ultra-silent, vibration free operation

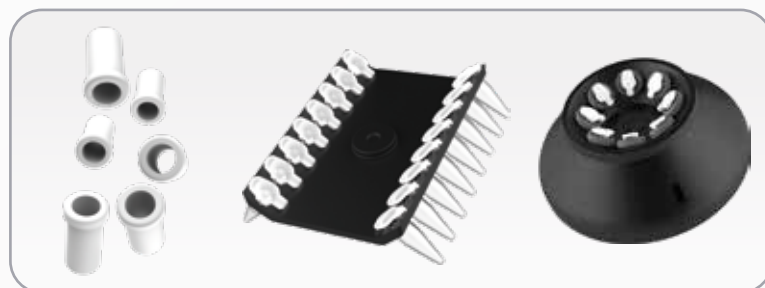
**Secure operation** - electronic brake for immediate stop on lid opening for increased user safety

**Durability** - robust construction / solid hinge and switch design

**Quick and comfortable operation** - possibility of quick runs by simply closing and opening the lid / digital display

**Small footprint saves valuable bench space** - suitable for use in hoods and cold rooms

**Speed accuracy** +/- 100 rpm



## Ordering information

Description	Cat. No.
AHN myLab® MC-01 Microcentrifuge 6000 rpm	7-000-01-0

Specifications	
Noise level	< 55 db
Quick spin feature	yes, lid activated on/off
Power consumption	10 W
Dimensions (WxDxH)	162x157x155 mm

Delivery Package
1 pc. Microcentrifuge 6000 rpm
1 pc. 1.5 / 2.0 mL closed rotor
1 pc. PCR strip rotor
1 pc. T-Allen wrench
8 pcs. Individual adaptor for 0.2 mL tubes
8 pcs. Individual adaptor for 0.5 mL tubes
1 pc. External power adaptor
1 pc. Instruction manual
1 pc. Warranty card
1 pc. Declaration of conformity

# ahn myLab MC-02

## High Speed Microcentrifuge 15000 rpm

**Usage** - designed for blood centrifugation and other clinical applications

**Capacity** - 12-place closed rotor for 1.5 mL / 2.0 mL micro tubes

**Maximum Speed** - up to 15000 rpm / 15596 x g

**Multiple tube options** - adaptors for 0.2 mL / 0.5 mL tubes available

**Unique closed rotor design** - ensures better airflow through low-friction and stability for temperature sensitive samples through low heat generation

**Increased user safety and comfort** - automatic safety brake system preventing the lid from opening upon operation / imbalance detection / rotor with screw on lid to prevent contamination

**Small footprint** - optimizing bench top space

**Multiple applications** - suitable for use in hoods or cold rooms

**Robust design** - brushless DC motor enables maintenance-free and long-lasting operation, perfect for extended runs

**Comfortable use** - user-friendly interface / extremely low noise level / large digital display



5

## Ordering information

Description	Cat. No.
AHN myLab® MC-02 Microcentrifuge 15000 rpm	7-001-01-0

Optional attachments	Cat. No.
PCR strip rotor	CR-15-PCR

Specifications	
Noise level	< 60 db
Imbalance detection	yes, auto cut off
Timer setting	1 to 99 mins / infinite mode
Dimensions (WxDxH)	260x244x205 mm



PCR strip rotor

Delivery Package
1 pc. Microcentrifuge 15000 rpm
1 pc. Power supply adaptor
1 pc. 12 slot rotor (pre-installed)
1 pc. T-Allen key
12 pc. Reduction adaptors for 0.2 / 0.5 mL tube
1 pc. Instruction manual
1 pc. Warranty card



+49(0)3631/65242-0



+49(0)3631/65242-90



info@cappahn.com



www.ahn-bio.de



# ahn myLab CLC-01

## Clinical Centrifuge 4000 rpm

**Usage** - designed for blood centrifugation and other clinical applications

**Multiple rotor and tube options** - 6x10 mL (swing out rotor) / 8x15 mL (fixed angle rotor) / 16x10 mL (fixed angle rotor) / with each rotor, the appropriate tube adaptors, sleeves, spacers are included - 10 mL, 9 mL, 8 mL, 6 mL, 4 mL, 3 mL and 2 mL

**Maximum Speed** - up to 4000 rpm / 2270 x g varies per rotor

**Precise operation** - speed interval of 10 rpm starting from 500 rpm

**Memory feature** - can save up to 99 user-defined programs (protocols)


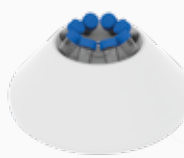
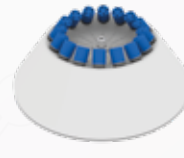
**Increased user safety and comfort** - automatic safety brake system preventing the lid from opening upon operation / imbalance detection

**Robust design** - brushless DC motor enables maintenance-free and long-lasting operation, perfect for extended runs

**Comfortable use** - last run memory function / user-friendly interface for speed and time setting / quick spin feature



## Ordering information

Specifications					
<b>Rotor Type:</b> Swing out		<b>Rotor Type:</b> Fixed angle		<b>Rotor Type:</b> Fixed angle	
<b>Capacity:</b> 6x10 mL		<b>Capacity:</b> 8x15 mL		<b>Capacity:</b> 16x10 mL	
<b>Max RCF:</b> 2270 x g		<b>Max RCF:</b> 1950 x g		<b>Max RCF:</b> 2180 x g	
<b>Cat. No.:</b> CRC-4-6S		<b>Cat. No.:</b> CRC-4-8		<b>Cat. No.:</b> CRC-4-16	

Description	Cat. No.
AHN myLab® CLC-01 Clinical Centrifuge 4000 rpm	7-010-00-0

Specifications	
Imbalance detection	yes, auto cut off
Timer setting	1-999 mins / infinite mode
Weight	7.7 kg (without rotor)
Dimensions (WxDxH)	355x415x173 mm

Delivery Package
1 pc. Clinical centrifuge 4000 rpm
1 pc. Power supply adaptor
1 pc. T-Allen Key
1 pc. Swing out rotor
2 x 6 pcs. Tube holders
1 pc. Instruction manual
1 pc. Warranty card

AHN myLab CLC-01 Clinical Centrifuge 4000 rpm, is designed for processing blood and other clinical samples in applications like PRP, medical practitioners, pathological laboratories, as well as for routine hospital centrifuging test. In particular it is used for processing and analyzing samples from human body in in vitro diagnostic applications to ensure that in vitro diagnostic device can be used according to Directive 98/79/EC. Therefore AHN myLab CLC-01 Clinical Centrifuge 4000 rpm, and its accessories being in-vitro diagnostic accessories are themselves in-vitro diagnostic medical devices within the meaning of directive 98/79/EC of the European Parliament and of the Council of 27 October 1998 on in-vitro diagnostic medical devices.

# ahn myLab HC-01

## Hematocrit Centrifuge 12000 rpm

**Usage** - determination of volume fractions of erythrocytes (red blood cells) in blood and also for separation of blood and solutions

**Capacity** - 24 capillary tubes of 75 / 45 mm length

**Maximum Speed** - up to 12000 rpm / 14119 x g

**Precise operation** - speed interval of 100 rpm starting from 500 rpm

**Increased user safety and comfort** - automatic safety brake system preventing the lid from opening upon operation / imbalance detection / HTC rotor with screw on lid to prevent contamination

**User comfort** - big user-friendly display / last run memory function / preset feature where the user can set up their favorite mode and change the speed (rpm) and time

**Robust design** - brushless DC motor enables maintenance-free and long-lasting operation, perfect for extended runs

**Small footprint** - optimizing bench top space



24 slot capillary rotor

## Ordering information

Description	Cat. No.
AHN myLab® HC-01 Hematocrit Centrifuge 12000 rpm	7-020-00-0

Specifications	
Imbalance detection	yes, auto cut off
Timer setting	up to 12 mins
Weight	5.0 kg (without Rotor)
Dimensions (WxDxH)	301x363x105 mm

Delivery Package
1 pc. Hematocrit Centrifuge 12000 rpm
1 pc. Power supply adaptor
1 pc. 24-slot capillary rotor (pre-installed)
1 pc. Blood reader
1 pc. T-Allen wrench
1 pc. Instruction manual
1 pc. Warranty card



+49(0)3631/65242-0



+49(0)3631/65242-90



info@cappahn.com



www.ahn-bio.de



# ahn myLab UC-01

## Universal Centrifuge 4500 rpm

8

**Wide range of rotor options** guarantee the most versatile scope of application

**User-friendly interface** - program the device according to your specific needs.

**Brushless DC motor technology** sustains durability and high performance over many years of use

**Adjustable speeds** - range from 500 to 4.500 rpm

**Multiple rotor options** - with both swing-out and fixed angle rotors

**Large digital display** - visualises multiple parameters in a clear, comfortable way

**9 acceleration and 9 deceleration modes** - enabling you to start and stop the device without disturbing fragile samples

**Adjustable timer** - can be set from 1 to 999 minutes, or the infinite centrifugation mode which has no time limitation

**Excellent user safety** - thanks to the electronic imbalance detection feature, which is activated by uneven loading of samples

**Lid Lock Safety Break** - ensures the lid remains closed until the rotor has fully stopped. The Emergency Lid Release only allows you to open the device once electricity supply has been removed

**Short spin feature** - ensures the ultimate performance for ultra-short centrifugation and pelleting. The stainless steel chamber rotor is fully corrosion-free and easy to clean

**Intelligently designed airflow system** prevents increase in sample temperature.

**Small footprint** - uses minimal bench space while offering powerful and efficient centrifugation and maintaining a high performance



### Specifications

Speed Range	500 - 4.500 rpm / (g) varies per rotor type
Motor Type	Brushless DC motor (BLDC)
Remote Operation	Yes, via USB
Display	Yes, large LED Display
Timer Setting	from 1 to 999 mins or infinite mode
Programmable	Yes, up to 99 programs
Imbalance Detection	Yes
Rotors (optional)	Multiple rotor options (swing-out and fixed angle rotors)
Dimensions (WxDxH)	595x436x311 mm
Weight	23 kg (without rotor)



<p><b>CR-43-100</b> 4 x 100 mL swing rotor with Bio Safety Cap, RCF 3164 x g</p>		<p><b>CR-43-50</b> 6 x 50 mL swing rotor with stainless steel tubes, RCF 3530 x g</p>	
	<p><b>CR-43-15</b> 16 x 15 mL swing rotor with stainless steel tubes, RCF 3485 x g</p>		<p><b>CR-43-PL</b> 2 x microplates swing rotor, RCF 2355 x g</p>
<p><b>CR-43-50F</b> 6 x 50 mL fixed angle rotor, RCF 2644 x g</p>		<p><b>CR-43-100F</b> 4 x 100 mL fixed angle rotor, RCF 2559 x g</p>	
	<p><b>CR-43-15F-24</b> 24 x 15 mL fixed angle rotor, RCF 2852 x g</p>		<p><b>CR-43-15F-16</b> 16 x 15 mL fixed angle rotor, RCF 3144 x g</p>

## Ordering information

Description	Cat. No.
AHN myLab® UC-01 Universal Centrifuge 4500 rpm	7-030-00-0
4x100mL swing rotor with Bio Safety Cap, RCF 3164 x g	CR-43-100
6x50mL swing rotor with stainless steel tubes	CR-43-50
16x15mL swing rotor with stainless steel tubes, RCF 3485 x g	CR-43-15
2 x Microplates Swing rotor, RCF 2355 x g	CR-43-PL
4x100mL Fix angle rotor, RCF 2559 x g	CR-43-100F
6x50mL Fix angle rotor, RCF 2644 x g	CR-43-50F
24x15mL Fix angle rotor, RCF 2852 x g	CR-43-15F-24
16x15mL Fix angle rotor, RCF 3144 x g	CR-43-15F-16
30x15mL Fix angle rotor, RCF 2729 x g	CR-43-15F-30
32x10 mL swing rotor, RCF 3164 x g (includes 32x10 mL stainless steel tubes + 32x10 mL rubber adapters for tube dia.13x length 100 mm + 32 x adapters for tube dia. 13x length 75 mm	CR-43-10



**CR-43-10**  
32 x 10 mL swing rotor, RCF 3164 x g



**CR-43-15F-30**  
30 x 15 mL fixed angle rotor, RCF 2729 x g

Important note: Each rotor has a range of optional tube adaptors. Please contact [info@cappahn.com](mailto:info@cappahn.com) to get the full overview of all adaptors that are available.



# ahn myLab VT-01

Mini Vortex Mixer 4500 rpm

10

**Usage** – quick mixing, re-suspension of samples in individual test tubes, up to a diameter of 30 mm

**Maximum Speed** – adjustable up to 4500 rpm

**Robust design** – brushless DC motor enables maintenance-free and long-lasting operation

**Stable operation** – through aluminium die cast base, suction cups and inbuilt counter balance system

**Very small footprint saves valuable bench space** - suitable for use in hoods and cold rooms



Soft silicone cup



Speed knob



## Ordering information

Description	Cat. No.
AHN myLab® VT-01 Mini Vortex Mixer 4500 rpm	7-100-00-0

Specifications	
Max. tube diameter	30 mm
Orbital diameter	4.5 mm
Max. loading capacity	500 g
Press activation	yes
Protection class	IP 43
Dimensions (WxDxH)	100x100x67 mm
Weight	0.55 kg

Delivery Package
1 pc. Mini Vortex Mixer 4500 rpm
1 pc. Power supply adaptor
1 pc. Instruction manual
1 pc. Warranty card

# ahn myLab VT-02 / 03

## Vortex Mixer 2800 / 4800 rpm

**Usage** – comfortable everyday mixing operations

**Maximum Speed** – adjustable up to 2800 rpm (7-110-00-0) / 4200 rpm (7-120-00-0)

**Comfortable use** – selection of different modes (touch, stand-by and continuous), depending on the desired use / smooth and silent operation

**Stable operation** – inbuilt counter balance system

**Digital display (VT-03)** - adjustable speed setting with an interval of 10 rpm and time setting from 0 - 999 minutes / displays speed and time alternatively at every 5 seconds

**Programmable pulse mode** - ON time and OFF time can be individually modified

**Multiple applications** – optional attachments for micro plate, micro tubes and flask sticker for permissible speed for various attachments

**Robust design** – brushless DC motor enables maintenance-free and long-lasting operation

**Small footprint saves valuable bench space** – for use in hoods in the temperature range of 5 to 40°C



11



Optional attachments\*

Foam for microtubes

Foam for micro plate

Rubber holder for flask

## Ordering information

Description	Cat. No.
AHN myLab® VT-02 Vortex Mixer 2800 rpm	7-110-00-0
AHN myLab® VT-03 Digital Vortex Mixer 4200 rpm	7-120-00-0

### Delivery Package

1 pc. Vortex Mixer
1 pc. Power supply adaptor
1 pc. Standard cup head (pre-installed)
1 pc. Instruction manual
1 pc. Warranty card

### Specifications

Orbital diameter	4 mm
Different modes	touch, continuous
Speed accuracy	± 5.0%
Max. loading capacity	500 g
Protection class	IP21
Power supply	220, 240 VAC, 50 Hz
Dimensions (WxDxH)	205x136x138.5 mm
Weight	3.0 kg

Optional attachments*	Cat. No.
Universal platform	7-110-01-0
Foam for micro tubes*	7-110-02-0
Foam for micro plates*	7-110-03-0
Rubber holder for flask*	7-110-04-0

\* only applicable in combination with the universal platform 7-110-01-0



# ahn myLab SM-01

## Single Plate Magnetic Stirrer 1500 rpm

12

**Usage** - in laboratories, pharmacies and schools, mixing liquid industry

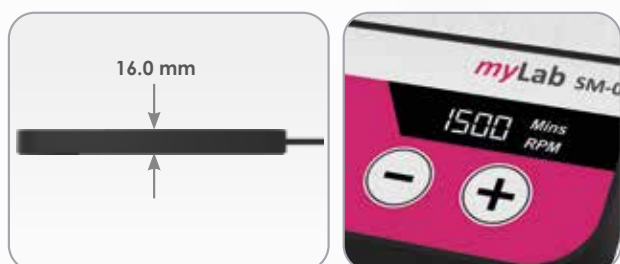
**Maximum speed** - from 15 to 1500 rpm with an interval of 50 rpm / software-driven gradual acceleration

**Time setting** - ranging from 1 - 99 minutes / continuous operation feature

**Improved mixing** - pulse mode where the mixing direction changes every 30 seconds

**Maintenance-free design** - water spill, corrosion and chemically resistant / includes no moving parts / high quality stirring bar

**User-friendly interface and design** - digital display showing the real-time speed and the remaining time / last run memory function / extremely thin (only 16.0 mm thick) / flat surface enables easy wiping and cleaning



## Ordering information

Description		Cat. No.	Specifications	
AHN myLab® SM-01 Single Plate Magnetic Stirrer 1500 rpm		7-300-00-0	Max. stirring quantity	800 mL
			Recommended stir bar length	25 mm
Optional accessories		Cat. No.	Protection class	IP65
Magnetic stirring bar - PTFE coated, 25 x 8 mm		CRS-MAG	Dimensions (WxDxH)	20x164x16 mm
			Weight	400 g
Delivery Package				
1 pc. Magnetic Stirrer 1500 rpm				
1 pc. Stir bar (PTFE coated, 25 x 8 mm)				
1 pc. Instruction manual				
1 pc. Warranty card				

# ahn myLab SM-05/10/15

## Heated Magnetic Stirrer 1500 rpm

**Usage** - chemical and pharma industry for mixing and / or heating liquids

**Maximum Speed** - adjustable speed ranging from 300 to 1500 rpm with an interval of 10 rpm

**Multiple capacity options** - 5, 10 or 15 flasks

**Optimal heating process** - heating up to 120°C with homogenous temperature distribution across the plate

**Improved mixing** - programmable pulse mode where the user can set the time from 30 to 99 seconds for changing the mixing direction

**Time setting** - ranging from 1 - 999 minutes / continuous operation feature

### Operation-friendly design

- rubber feet for optimal stability on the bench / waterproof surface which is easy to clean and protects the equipment from accidental spills



## Ordering information

Description	Cat. No.
AHN myLab® SM-05 5-plate Heated Magnetic Stirrer 1500 rpm	7-305-00-0
AHN myLab® SM-10 10-plate Heated Magnetic Stirrer 1500 rpm	7-310-00-0
AHN myLab® SM-15 15-plate Heated Magnetic Stirrer 1500 rpm	7-315-00-0

Optional accessories	Cat. No.
Magnetic stirring bar - PTFE coated, 25 x 8 mm	CRS-MAG

Specifications			
Number of stirring positions	5	10	15
Max. stirring quantity	400 mL per position		
Recommended stir bar length	25 mm		
Protection class	IP42		
Dimensions (WxDxH)	136x562x75 mm	196x565x75 mm	282x568x76 mm
Weight	3.0 kg	5.0 kg	7.0 kg

Delivery Package
1 pc. Heated Magnetic Stirrer 1500 rpm
1 pc. Power cord
1 pc. Reference stirrer bar
1 pc. Instruction manual
1 pc. Warranty card



# ahn myLab TR-01

Tube Roller 30 rpm



**Usage** - mixing of blood samples and viscous substances

**Capacity** - 9 x 5 mL tubes

**Fixed speed** - 30 rpm with an accuracy of  $\pm 2$  rpm

**Optimal mixing** - gentle rocking and rolling movements at a tilt angle of  $\pm 3$  degree

**Easy maintenance and adjustment** - tool free removal and installation of rollers for effortless cleaning and replacing / easy adjustment of spacing to use with different tube diameter

**Robust and space-saving design** - robust construction for stable operation / small footprint requiring minimum of bench space



Tool-free removal and installation of rollers

## Ordering information

Description	Cat. No.
AHN myLab® TR-01 Tube Roller 30 rpm	7-200-00-0

Specifications	
Run time	Continuous / infinite
Noise level	Noiseless operation
Roller size	30x330 mm
Max. loading capacity	1.5 kg
Protection class	IP 21
Dimensions (WxDxH)	475x201x80 mm
Weight	2.0 kg

Delivery Package
1 pc. Tube Roller 30 rpm
1 pc. Power supply adaptor
1 pc. Instruction manual
1 pc. Warranty card

# ahn myLab TR-02

## Tube Rotator 30 rpm

**Usage** - ideal for processing of blood samples

**Capacity** - 16 tubes (4 ESR Tubes and 12 blood collection tubes) with the maximum operational weight capacity of 1.5 kgs

**Fixed speed** - 30 rpm with an accuracy of  $\pm 2$  rpm

**Optimal mixing** - thanks to gentle circular rotations on the fixed plate at the angle of 38 degrees

**Robust and space-saving design** - robust metal construction with rubber feet for stable operation / compact design requires minimum of bench space

**Easy maintenance and adjustment** - the disc plate can be easily removed for cleaning and replacing



15

## Ordering information

Description	Cat. No.
AHN myLab® TR-02 Tube Rotator 30 rpm	7-210-00-0

Specifications	
Run time	Continuous / infinite
Noise level	Noiseless operation
Max. loading capacity	1.5 kg
Protection class	IP 21
Dimensions (WxDxH)	278x183x252 mm
Weight	1.7 kg

Delivery Package
1 pc. Tube Rotator 30 rpm
1 pc. Power supply adaptor
1 pc. Instruction manual
1 pc. Warranty card



# ahn myLab TR-03

## Tube Rotator 30 rpm

16

**Usage** - ideal for processing of blood samples, separating and mixing of liquid and powdered samples

**Capacity** - 12 x 15 mL and 4 x 50 mL tubes or 22 x 15 mL tubes with the maximum operational weight capacity of 1.0 kg

**Fixed speed** - 30 rpm with an accuracy of  $\pm 2$  rpm

**Optimal mixing** - circular motion allows gentle but effective mixing

**Robust and space-saving design** - strong metal construction with rubber feet for stable operation / compact design requires minimum of bench space

**Easy maintenance and adjustment** - plates can be easily removed and installed for cleaning and replacing



## Ordering information

Description	Cat. No.
AHN myLab® TR-03 Tube Rotator 30 rpm	7-220-00-0
Plate 22 x 15 mL (included with TR-03)	7-220-02-0

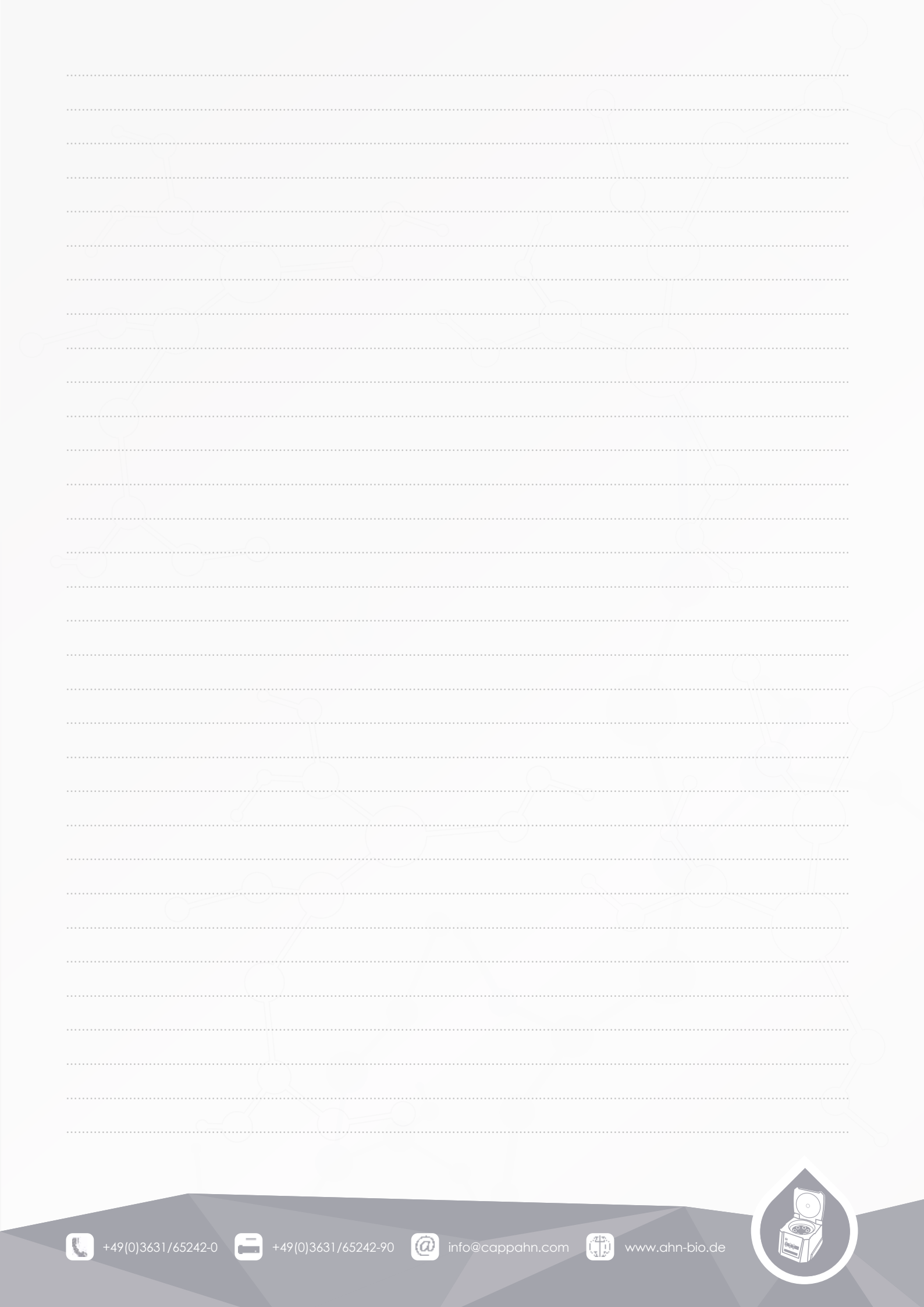
Optional attachments	Cat. No.
Plate 12 x 15 mL + 4 x 50 mL	7-220-01-0

Specifications	
Run time	Continuous / infinite
Noise level	Noiseless operation
Max. loading capacity	1.0 kg
Protection class	IP 21
Dimensions (WxDxH)	346x185x145 mm
Weight	2.5 kg



Delivery Package
1 pc. Tube Rotator 30 rpm
1 pc. Power supply adaptor
1 pc. Instruction manual
1 pc. Warranty card
1 pc. Plate 22 x 15 mL





+49(0)3631/65242-0



+49(0)3631/65242-90

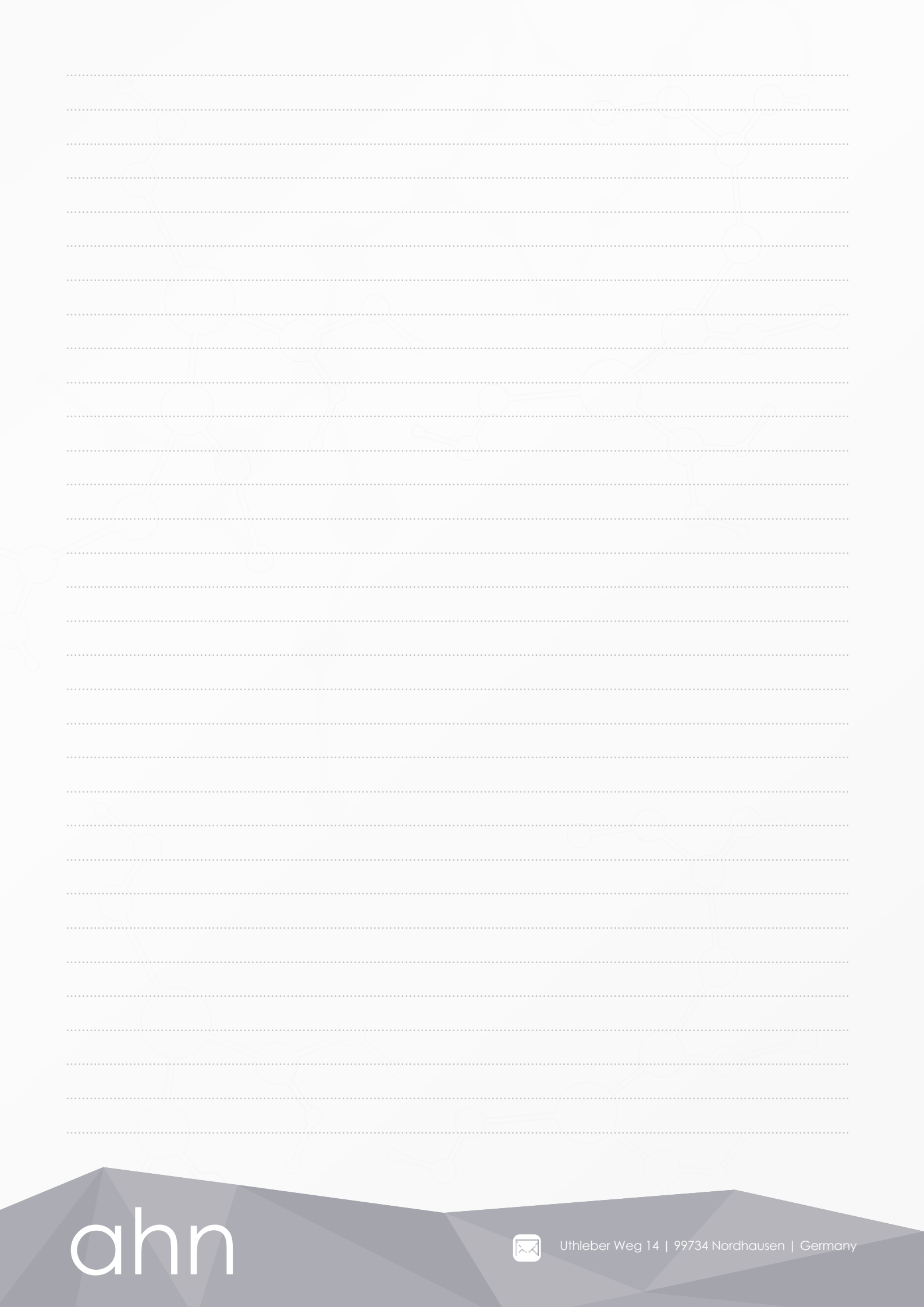


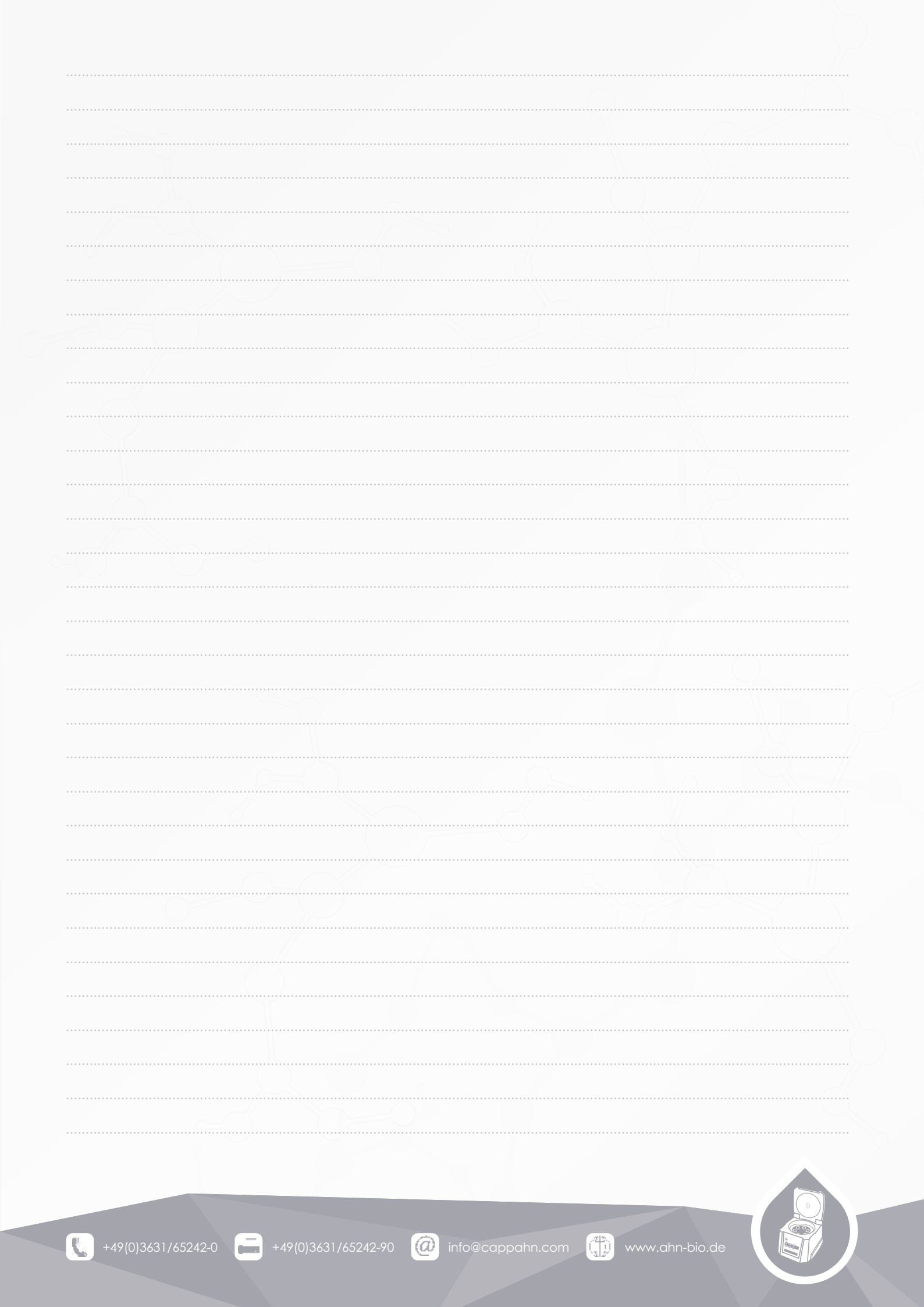
info@cappahn.com



www.dhn-bio.de







+49(0)3631/65242-0



+49(0)3631/65242-90



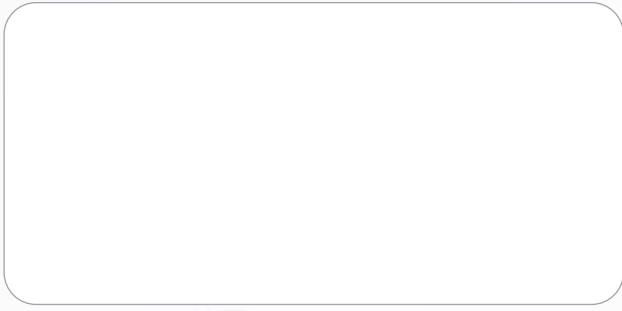
info@cappahn.com



www.dhn-bio.de



Distributed by:



# ahn

**AHN Biotechnologie GmbH**

Uthleber Weg 14  
99734 Nordhausen  
Germany

P: +49(0)3631/65242-0

F: +49(0)3631/65242-90

E: info@cappahn.com

**[www.ahn-bio.de](http://www.ahn-bio.de)**

