

## REAGENT CARTRIDGE

THE PRIMARY PACKAGE  
FOR YOUR REAGENTS



# REAGENT CARTRIDGE

## FOR YOUR REAGENT SUPPLY

The most obvious and important function of a primary reagent package is to protect and preserve the liquid from damage, external interference or contamination, spoiling and chemical imbalances and therefore, to seal the product from the environment.

However, after loading onto a fully automated analyzer the primary package shall provide a sophisticated interface to the instrument, which allows liquid transfer on the one hand, while providing minimal contact area to the surrounding atmosphere on the other hand.

On-board stability needs to be prolonged to a maximum, since shortened onboard stability requires more user intervention to replace reagents and creates delays in work output.

### YOUR REQUIREMENTS

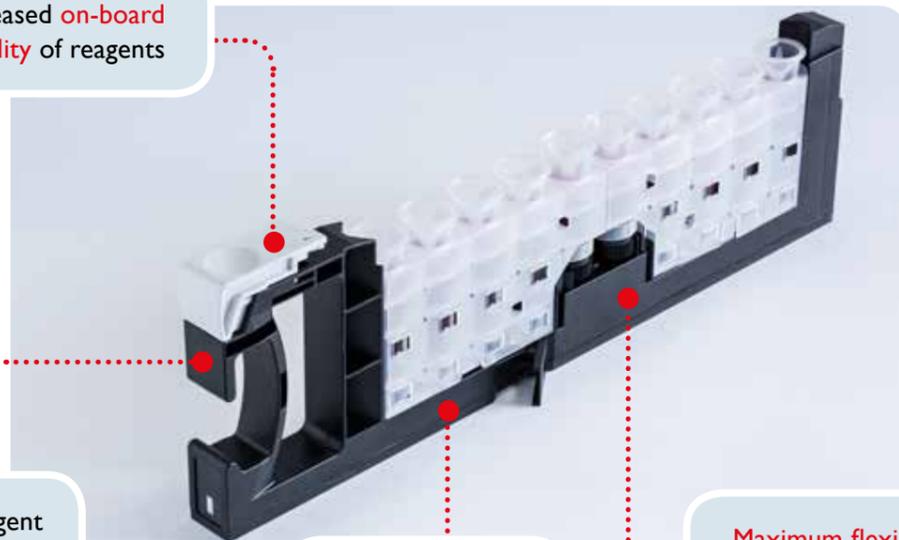
- Maximum on-board stability
- Reliable reagent management
- Traceability
- Flexible packaging solution

Increased **on-board stability** of reagents

**Intelligent** reagent management

**Flexible on-board resuspension**

**Maximum flexibility** for assay development



STRATEC provides an innovative Reagent Cartridge, which is optimized to cover your needs on increased on-board stability of your reagents, flexibility and traceability.

### Flexible package

The Reagent Cartridge provides maximum flexibility for your assay design. Based on a building block system 5 mL and 10 mL vials can be assembled in many different configurations in a vial holder, the Housing. This flexible design is optimized for storage and secondary packaging.



### Superior reagent management – read/write RFID technology

The STRATEC Reagent Cartridges allows superior reagent management. It is equipped with RFID-tags, contributing to a safe storage of data during usage, like identification, volume tracking and expiry date. Furthermore it provides maximum flexibility for assay development, since assays can be built up over several Reagent Cartridges.



### Optimized on-board stability – The Dynamic Sealing Cap

Each of the vials can be sealed by a Dynamic Sealing Cap. The steel needle pipettor pierces a membrane in a predefined area. Due to the movement of the pipettor, the Dynamic Sealing Cap is pushed down. This allows the liquid to have minimal air exchange, as the air volume above is minimal and well protected. Therefore, gas exchange and evaporation is reduced to a minimum.

Only the tip of the pipettor has contact with the liquid inside the vial, which minimizes the risk of contamination, reduces wash-cycles and also minimizes the dilution with system liquid after washing.

### COMPLEMENTARY TECHNOLOGY: STRATEC REAGENT RACK AND STRATEC REAGENT BAY

In combination with the STRATEC Reagent Rack a flexible on-board resuspension of particles like magnetic beads is guaranteed.

Further details can be found on



# SPECIFICATIONS

## GENERAL DESCRIPTION: 5 mL AND 10 mL VIALS AND DYNAMIC SEALING CAP

<b>Intended use</b>	Primary liquid package   Single use
<b>Material</b>	Vial: Polypropylene medical grade Dynamic Sealing Cap: Polyethylene
<b>Color</b>	Clear
<b>Sterility</b>	Non-sterile
<b>Nominal volume</b>	5 mL vial: 5 mL (+ 0.2 mL overfill)* 10 mL vial: 10 mL (+ 0.2 mL overfill)*
<b>Weight</b>	5 mL vial: 3 g 10 mL vial: 4 g
<b>Application</b>	Purity level is targeted towards applications such as ELISA, CLIA and biochemical screening

## GENERAL DESCRIPTION: HOUSING

<b>Intended use</b>	Carries up to 5 vials   Single use
<b>Material</b>	Polypropylene
<b>Color</b>	Clear
<b>Sterility</b>	Non-sterile
<b>Other features</b>	Pre-mounted RFID-tag
<b>Weight</b>	25 g

## ENVIRONMENTAL CONDITIONS

<b>Shipping conditions</b>	- 10 °C to + 60 °C for a maximum of 3 days Humidity: 10 - 90 %
<b>Storage conditions</b>	+ 2 °C to + 32 °C for a maximum of 3 years Humidity: 20 - 80 %   Keep away from sunlight

## COMPATIBILITY

Designed for STRATEC Reagent Rack and KleeYa

We are a member of the STRATEC Group  
STRATEC Consumables GmbH  
Sonystraße 20 | 5081 Anif | Austria  
www.stratec.com | +43 6246 21250 | consumables@stratec.com

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