

## CentoCard® As Easy as Mailing a Letter

### CENTOGENE's Filter Card Solution

CentoCard® is a Dried Blood Spot (DBS) technology for high-quality extraction of DNA, RNA, enzymes, and metabolic biomarkers. This makes sending patient samples as easy as mailing a letter.

#### Do's

- ✓ Handle in a clean and dry environment using gloves
- ✓ Use of EDTA blood recommended for preparation of the filter card
- ✓ For EDTA tube sampling, follow the blood collection instructions provided by the manufacturer of the tube
- ✓ Use one CentoCard per patient
- ✓ Dry the CentoCard at room temperature (max. 25°C) for min. 2 hours

**Note:** For RNA analysis, the time between blood collection and CentoCard preparation should be less than 12 hours

#### Don't's

- Don't use the CentoCard if it is damaged and/or contaminated
- To avoid contamination, don't touch the CentoCard directly
- Don't refrigerate the sample
- Don't dry the sample using heat (for example hair dryer, microwave, etc.)
- Don't expose to direct rain or sunlight

**Note:** CentoCard contains human blood samples after use. Although dried blood spot samples are considered non-infectious, they should be handled and disposed of with respect to their biological origin.

### Advantages of CentoCard



**Samples are stable once they are dry** and can be mailed directly to CENTOGENE in the pre-addressed envelope provided



**CentoCard enables the stabilization of molecules** in dried blood: DNA for years, enzymes and metabolites for month, and RNA for days



**CentoCard allows any type of analysis:** Genetic testing from single gene assay to whole genome sequencing, enzyme activity and biomarker measurement, as well as whole mRNA sequencing

# Centocard Instructions



## Prepare the CentoCard

- Complete all required fields on the filter card and consent form
- Prepare the filter card on a disinfected surface in a clean and dry environment



## Transfer Blood

- Pipette into the center of all 10 spots of the filter paper (circles) without touching the surface
- Every spot requires 50 µl of EDTA blood (0.5 ml in total)



## Drying

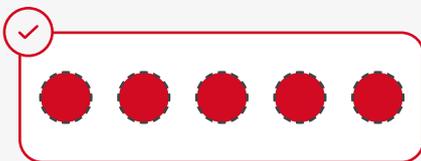
- Let the blood spot samples dry at room temperature (max. 25 °C) for at least 2 hours
- Don't cover or stack the blood spots while drying
- Don't use hairdryers or similar devices to avoid damages of the sample
- Don't touch the filter card sampling area directly to avoid contamination



## Mailing

- Place the dry filter card in the plastic envelope to protect it from humidity during transport
- Send the filter card, together with the signed consent, in the envelope to:  
**CENTOGENE GmbH, Am Strande 7, 18055 Rostock, Germany**
- Ensure the filter card arrives within 7 days of sample application

## Acceptable Specimen



## Unacceptable Specimen



Specimen quantity insufficient for testing



Specimen appears supersaturated



Specimen not dry before mailing



Specimen exhibits serum rings