

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



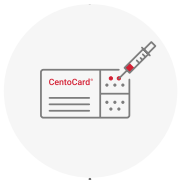
CentoCard allows any type of analysis: Genetic testing from single gene assay to whole genome sequencing, enzyme activity and biomarker measurement, as well as whole mRNA sequencing

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

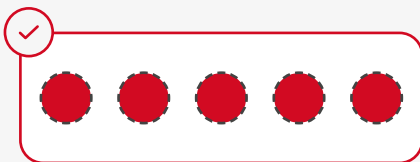
- Let the blood spot samples dry at room temperature (max. 25 °C) for at least 2 hours
- Don't cover or stack the blood spots while drying
- Don't use hairdryers or similar devices to avoid damages of the sample
- Don't touch the filter card sampling area directly to avoid contamination



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

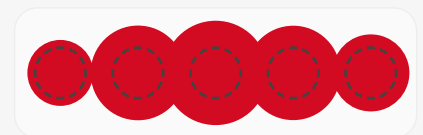
Acceptable Specimen



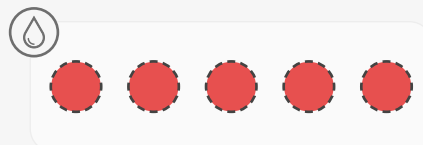
Unacceptable Specimen



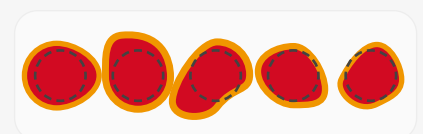
Specimen quantity insufficient for testing



Specimen appears supersaturated



Specimen not dry before mailing



Specimen exhibits serum rings