



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Better Matching. Better Method.

The next generation of genetic matching

Expanded Gene Content  
without Affecting Lab Workflow

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Easy Single Tube Workflow  
with Early Indexing Step

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No Long-range PCR =  
No Amplification Inefficiencies

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Fast Software Analysis with  
Data Upload at 1 min/sample\*



Margot D.,  
Stem cell transplant recipient



# AlloSeq Tx offers a single tube workflow and no long range PCR inefficiencies

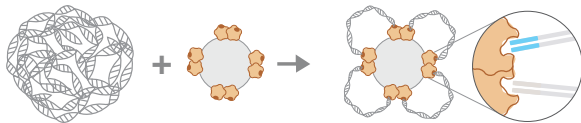
STEP

**1**

## Whole Genome Library Generation

 **3.5 hrs** / 2 hrs hands-on

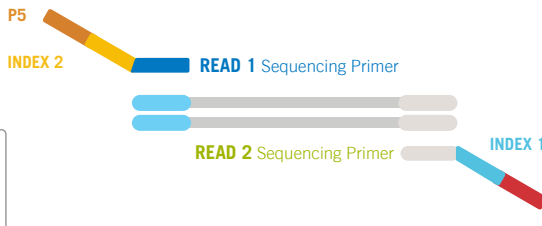
**LESS INPUT DNA  
REQUIRED: >50NG  
OF INPUT DNA**



### Tagmentation

Genomic DNA is bound, fragmented and tagged by bead-linked transposomes - one sample per well

More permissive to **LOWER QUALITY DNA LIKE BUCCAL SWAB SAMPLES**



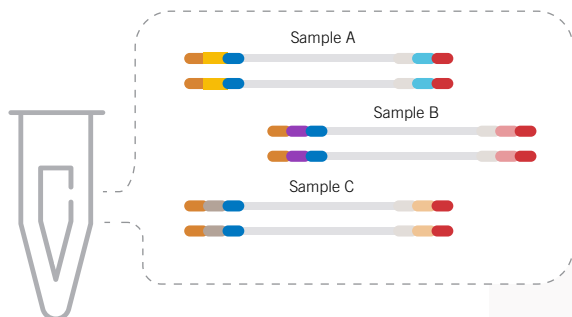
### Wash beads

To remove any unbound DNA

### Index PCR amplification

AlloSeq Tx 96 sample kits are available with plated indices.

Early indexing leads to **REDUCED RISK OF SAMPLE SWITCHING**



### Pool all the sample Libraries into a single tube

No manual quantification of DNA is required prior to pooling

### Clean up & size selection

## SINGLE TUBE WORKFLOW

Additional genes can be added without impacting workflow

STEP

2

# Hybrid Capture

🕒 5.5 hrs / 2 hrs hands-on

NO LONG RANGE PCR MEANS:

CONSISTENT ALLELE BALANCE

REDUCED ALLELE DROP OUT RATES

NO PCR ARTIFACTS

READS GENERATED ARE PROPORTIONAL TO GENE COPY NUMBER

Hybridize probes

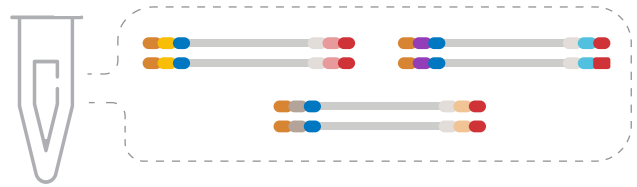
🕒 90 min or overnight at 62°C

Capture target fragments

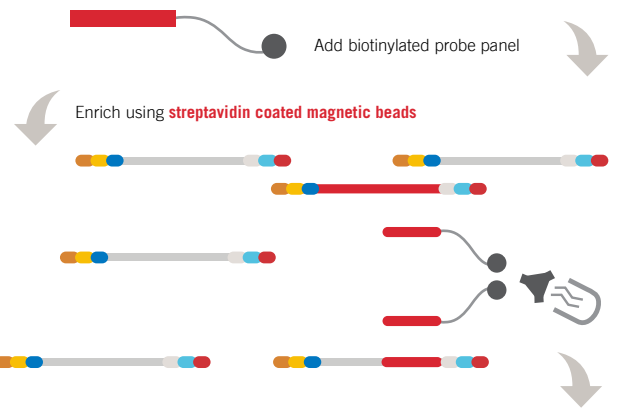
Amplify

Clean up

### POOLED SAMPLE LIBRARIES



### GENES OF INTEREST CAPTURE



### ENRICHED LIBRARY



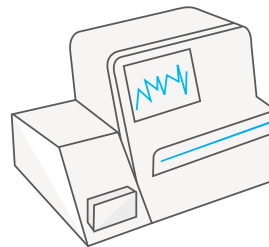
### ENRICHED AND INDEXED LIBRARY READY FOR SEQUENCING

STEP

3

# Sequencing

🕒 17-24 hrs / 15 min hands-on



Sequencing on the Illumina platforms

MiSeq, MiniSeq, iSeq

STEP

4

# Software Analysis

🕒 30 min / 24 sample import

AlloSeq Assign®

1 MIN/SAMPLE IMPORT

\*as per internal testing - will depend on multiple factors

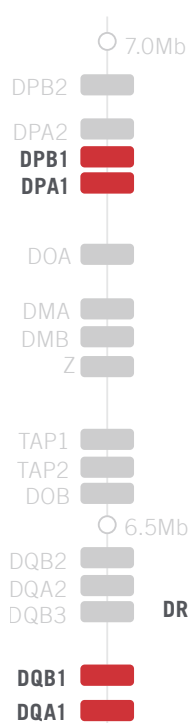
FAST DATA IMPORT SPEED LEADS TO FAST ANALYSIS

# AlloSeq Tx17 helps you to identify the best genetic match

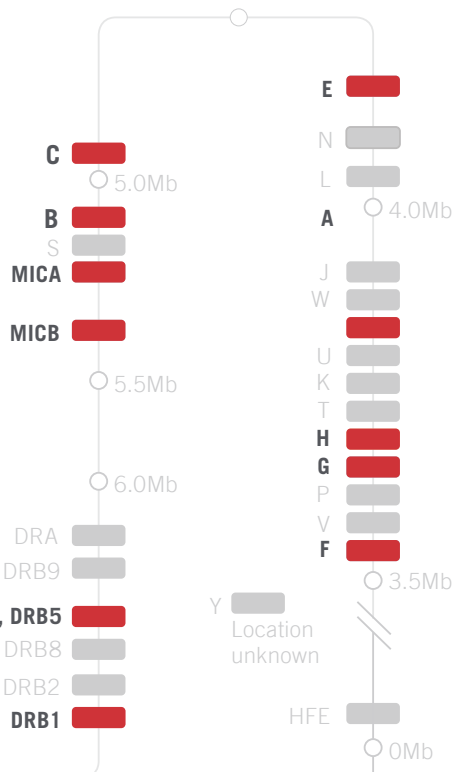
AlloSeq Tx17 moves beyond the traditional transplant related loci to consider more transplant associated genes.

As we continue to improve our understanding of the “Transplantome,” additional targets can be added to the AlloSeq Tx assay **without impacting workflows or laboratory procedures.**

## Class II



## Class I



GENE	TX17 RESOLUTION	ALLOSEQ TX17 COVERAGE
HLA-A	4th field	Full gene
HLA-B	4th field	Full gene
HLA-C	4th field	Full gene
HLA-E	4th field	Full gene
HLA-F	4th field	Full gene
HLA-G	4th field	Full gene
HLA-H	4th field	Full gene
HLA-DRB1	3rd field	Full exon
HLA-DRB3	3rd field	Full exon
HLA-DRB4	3rd field	Full exon
HLA-DRB5	3rd field	Full exon
HLA-DQA1	3rd field	Full exon
HLA-DQB1	3rd field	Full exon
HLA-DPA1	3rd field	Full exon
HLA-DPB1	3rd field	Full exon
MICA	2nd field	Full exon
MICB	2nd field	Full exon

### PRODUCT

### NO. RXNS

### PRODUCT CODE

AlloSeq Tx17 (Set A, RUO)	24	ASTX17.1(24)
AlloSeq Tx17 (Set B, RUO)	24	ASTX17.1(24)-B-RUO
AlloSeq Tx17 (Set A, CE-IVD)	24	ASTX17.1(24)-IVD
AlloSeq Tx17 (Set B, CE-IVD)	24	ASTX17.1(24)-B-IVD
AlloSeq Tx17 (Set A, RUO)	96	ASTX17.1(96)-A-RUO
AlloSeq Tx17 (Set B, RUO)	96	ASTX17.1(96)-B-RUO
AlloSeq Tx17 (Set A, CE-IVD)	96	ASTX17.1(96)-A-IVD
AlloSeq Tx17 (Set B, CE-IVD)	96	ASTX17.1(96)-B-IVD

Visit <https://caredx.link/30xhG2k> for more information.

For inquiries, contact your CareDx representative or reach out to us:

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AlloSeq Tx reaction kits are CE/IVD in the EU and UK and available as Research Use Only for the rest of the world (i.e., US). For local regulatory status of AlloSeq products, please contact CareDx. AlloSeq Tx kits are not used for the diagnosis of disease. AlloSeq is a trademark or registered trademark of CareDx Inc. or its subsidiaries in the US or other countries. AlloSeq is a registered trademark with the US Patent and Trademark Office.

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