



# 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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# Revolutionizing Chimerism Monitoring

**STREAMLINED WORKFLOW | AUTOMATED ANALYSIS | COMPREHENSIVE SOFTWARE METRICS**

Chimerism changes after hematopoietic cell transplant can be an early indication of relapse\*  
Early detection can lead to early intervention



Jen R, Stem cell and double lung transplant recipient



# AlloSeq HCT: The Latest Innovation in NGS-based Chimerism Testing

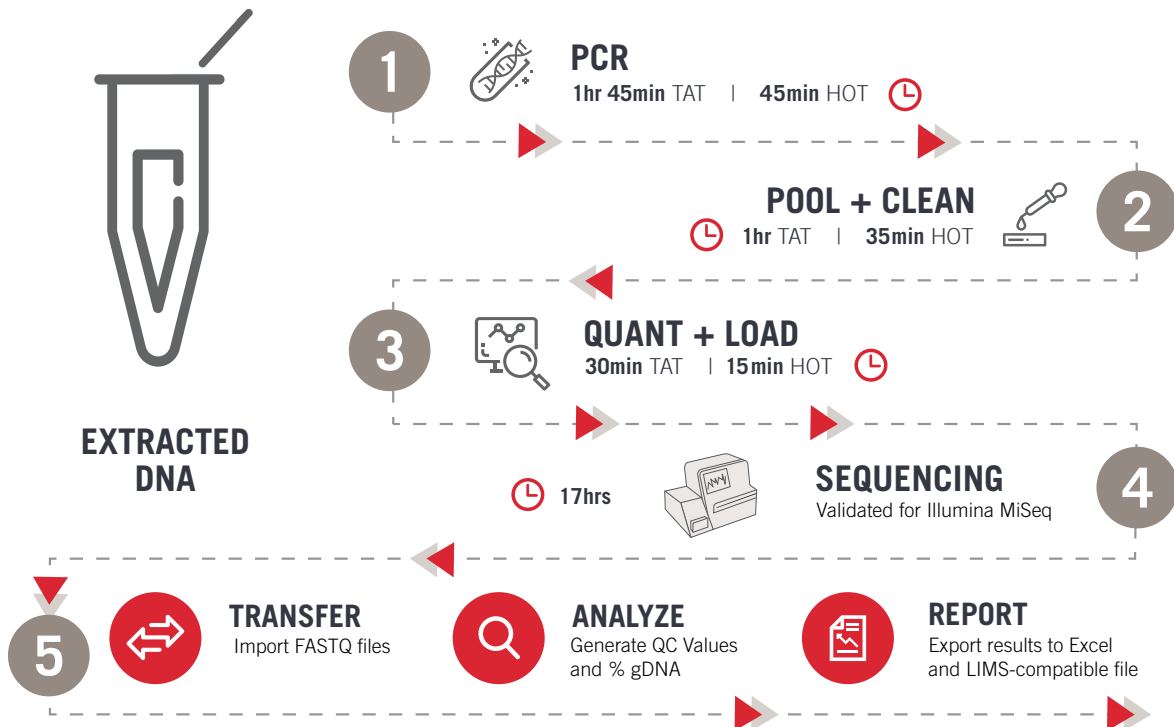
Streamlined Workflow of Assay + Software Delivers Performance and Speed

Assay	+	HCT Software	=	Best-In-Class Performance	+	Speed
<ul style="list-style-type: none"> <li>• 1 assay for genotyping and monitoring</li> <li>• 1-step single reaction multiplexed PCR</li> <li>• Targets 202 bi-allelic SNPs across 22 autosomes</li> <li>• Test up to 48 samples/run</li> </ul>		<ul style="list-style-type: none"> <li>• Automatically compares up to 3 genotypes – donor(s) and recipient</li> <li>• Automatically calculates percent chimerism</li> </ul>		<ul style="list-style-type: none"> <li>✓ High sensitivity &amp; precision</li> <li>✓ 0.22% Limit of Detection</li> <li>✓ High precision</li> <li>✓ Consistent results from run to run</li> </ul>		<ul style="list-style-type: none"> <li>✓ Fast Turnaround Time</li> <li>✓ Test Report in less than 24 hrs</li> </ul>

## AlloSeq HCT is a Simple and Fast Assay with Minimal Hands-On Time

gDNA Sample to Report in Less than 24 hours

### AMPLIFICATION & SEQUENCING



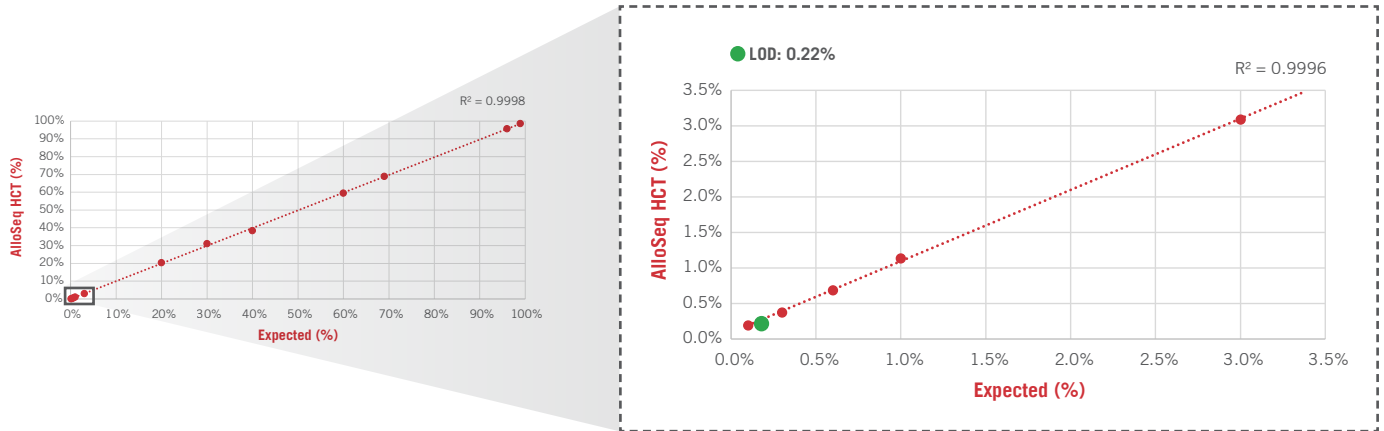
\*References for early rejection • Rashef et al BBMT 2014;20:1758-66 • Tang et al BBMT 2014;20:1139:1144

AlloSeq HCT is available as CE/IVD in the EU and Research Use Only for the rest of the world.

\*HOT: Hand-on time (based on 48 samples) \*TAT: Turn around time

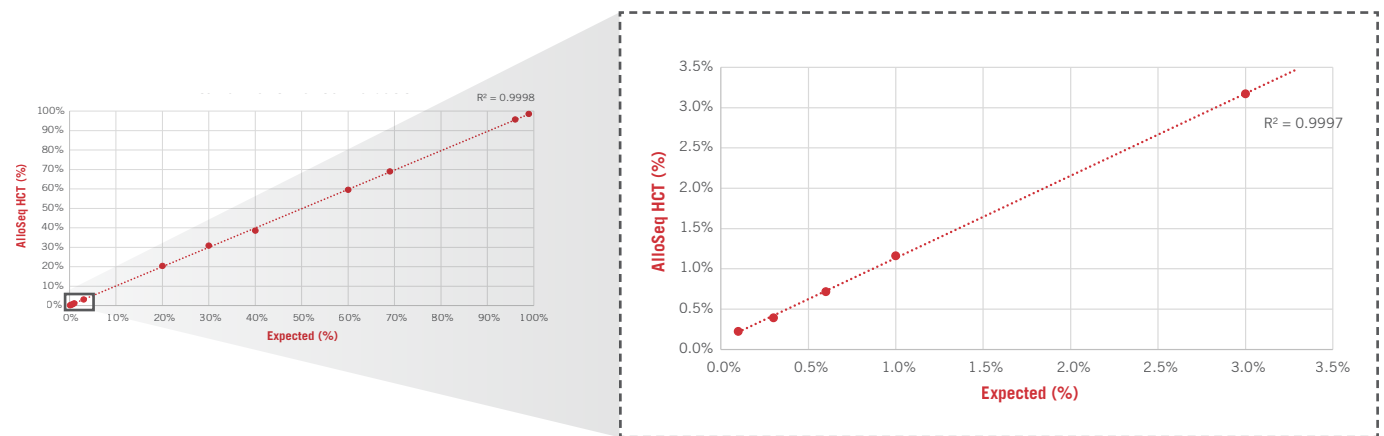
# AlloSeq HCT Offers Accurate, Reproducible Results

Dynamic Range of 0.1% - 98.9% Demonstrated by Internal and External Studies



AlloSeq HCT accuracy was measured against expected artificially mixed gDNA samples extracted from fresh whole blood. 1613 data points were generated achieving signal linearity with a correlation and slope close to 1.<sup>1</sup>

# External Testing Demonstrates Reproducible and Precise Results



The graphs demonstrate the AlloSeq HCT average result for artificially mixed samples across a number of technical replicates (n-464). This performance evaluation results confirm the reproducibility obtained at CareDx.<sup>1</sup>

<sup>1</sup> CareDx data on file

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# Enhanced Software with Detailed Analysis and Intuitive User Interface

## Confidence in Results and Significantly Faster Analysis

**Distinguishes up to 3 genomes**

**Sort informative markers**

**Compare recipient and donor genotyping side by side**

Recipient							Donor: CDX-D1-NA24385			Second Donor: CDX-D2-NA24143		
Marker Name	Max Nuc	Max %	Max Cov	2nd Nuc	2nd %	2nd Cov	Marker Name	Max Nuc	2nd Nuc	Marker Name	Max Nuc	2nd Nuc
s01002	G	85.6	1213	A	14.4	204	s01002	G	A	s01002	G	
s01006	A	67.82	5130	T	32.17	2433	s01006	A	A	s01006	A	T
s02002	G	83.94	10566	C	16.06	204	s02002	G	C	s02002	G	
s02009	G	84.4	2051	A	15.6	379	s02009	G	A	s02009	G	
s02010	T	97.83	2711	G	2.17	60	s02010	T		s02010	T	
s02011	C	67.52	1160	A	32.48	556	s02011	C		s02011	A	C
s02013	G	84.79	3076	C	15.21	552	s02013	G	C	s02013	G	

**Relevant quality metrics embedded into the workflow**

**Detection of more than 0.5% contamination or surveillance sample mix-ups**

Name	Status	Algorithm	Sample Type	Value Detected	Pass Threshold	Warn Threshold	Fail Threshold	Description
Too Many Outliers	Pass	Blind	AB	0	<-2	+2	+10	Statistical outliers in the marker results are automatically detected and excluded. If there are too many outliers this may be an indication of sample contamination / mix up.
Markers Passing Filters	Pass	Blind	AB	202	>199	N/A	<+198	The total number of markers that pass all local level quality control metrics. Minimum threshold is 200 markers for a sample to pass.
Uniformity	Pass	Blind	AB	102	>+101	N/A	<+101	For a sample to pass the uniformity filter (75% of the 202 markers must have a coverage higher than 20% of the mean).
Average Marker Coverage	Pass	Blind	AB	4841	>+400	<-400	<-50	The average number of reads covering each marker. Too few reads will lead to a loss of analytic coverage or an unreliable result (fail).
Total Reads	Pass	Blind	AB	1945078	>+30000	<+30000	<+15000	Total number of reads processed. Too few reads will lead to a loss of sensitivity (warning) or an unreliable result (fail).
Heterozygous Homozygous Markers	Pass	Targeted	2x Genotypes	34	>+2	<-2	N/A	Warning if there are very few uniquely heterozygous markers available.
Heterozygous Heterozygous Markers	Pass	Targeted	2x Genotypes	121	>+2	<-2	<-15	Warning if there are very few heterozygous markers available.
Unrecognized Minor Signal	Pass	Targeted	2x Genotypes	0	0	<-2	<-2	There should be no significant (>0.5%) second signal at positions that are identically homozygous for all parties. Detects contamination and sample mix-ups.
Heterozygous Heterozygous Markers	Pass	Targeted	2x Genotypes	0	0	<-2	<-2	Manually heterozygous positions for all parties should be 20.0% of the total. Manual heterozygous positions for all parties should be 20.0% of the total. Manual heterozygous positions for all parties should be 20.0% of the total.

**PRODUCT**  
AlloSeq HCT

**PRODUCT NUMBER**  
ASHCT.1(96)  
ASHCT.1(96)-IVD

**DESCRIPTION**  
Includes all reagents required to create 96 NGS libraries

Visit [www.caredx.com/alloseq-hct](http://www.caredx.com/alloseq-hct) for more information. For inquiries, contact your CareDx representative or reach out to us: Americas – [orders-US@caredx.com](mailto:orders-US@caredx.com) | EMEA – [orders-se@caredx.com](mailto:orders-se@caredx.com) | APAC – [orders-aus@caredx.com](mailto:orders-aus@caredx.com)

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