clonoSEQ® THE FIRST & ONLY FDA-CLEARED ASSAY FOR MRD DETECTION

In bone marrow from patients with multiple myeloma and B-cell acute lymphoblastic leukemia (ALL) and blood or bone marrow from patients with chronic lymphocytic leukemia (CLL)

MRD: A powerful way to assess response and predict patient outcomes

Measurable (or minimal) residual disease (MRD) refers to the small number of cancer cells that may remain in a patient's body during and after treatment. Clinical practice guidelines recognize that MRD status is a reliable indicator of clinical outcome and response to therapy in myeloma, ALL and CLL patients.^{12,3}

The clonoSEQ[®] Assay is an MRD assessment tool powered by next-generation sequencing (NGS) technology and differentiated from other NGS assays by groundbreaking advances in chemistry and proprietary bioinformatics.^{4,5}

Clinicians who leverage the latest advances in personalized medicine use clonoSEQ to:⁴

Predict long-term outcomes Assess treatment response Monitor disease burden **Detect** potential relapse

Why choose clonoSEQ?^{4,5}



Deep sensitivity: Able to detect one cancerous cell in 1 million normal cells*



Reliable results: First and only FDAcleared MRD assay; demonstrates accuracy, precision, and reproducibility



Easy to order: Ordered through a central reference lab with 7-day MRD turnaround



Broad patient experience: >12,900 patients tested to date



Widely utilized by experts: 30 out of 30 NCCN institutions currently using in clinical trials and/or clinical practice



NCCN Guidelines: NGS MRD testing incorporated in NCCN guidelines for myeloma, ALL and CLL^{1,2,3}

How clonoSEQ works⁴

Clonality (ID) Test



Identifies trackable malignant DNA sequence(s) in a high disease load sample collected at the time of diagnosis or relapse

Tracking (MRD) Test



Quantifies and tracks MRD during or after treatment in a freshly-drawn bone marrow or blood sample

*With sufficient input material

clonoSEQ is available as an FDA-cleared *in vitro* diagnostic (IVD) test service provided by Adaptive Biotechnologies to detect measurable residual disease (MRD) in bone marrow from patients with multiple myeloma or B-cell acute lymphoblastic leukemia (B-ALL) and blood or bone marrow from patients with chronic lymphocytic leukemia (CLL). clonoSEQ is also available for use in other lymphoid cancers as a CLIA-validated laboratory developed test (LDT) service. For important information about the FDA-cleared uses of clonoSEQ including test limitations, please visit clonoSEQ.com/technical-summary.

Clonality (ID) Report

r In Vitro Diagnostic Use. Rx Only.					
ATIENT NAME	DATE OF BIRTH 01/02/2014	MEDICAL RECORD 256493216	GENDER Female	REPORT DATE 03/30/2019	ORDER # D-925327
PEGMEN TYPE / SPEGMEN SOURCE Sone Marrow Aspirate Slides	COLLECTION DATE 03/14/2019	DATE RECEIVED 03/16/2019	SAMPLE ID SP-597516		
co cone 191.00 Acute lymphoblastic leukem	ia not having achieved rem	ission			
RDERING PHYSICIAN Vexander Smith		INSTITUTION University Cano	er Hospital		
SSAY DESCRIPTION					
NGS) to identify and quantify rearr ind BCL2/lgH (J) sequences in DN. nultiple myeloma (MM), and blood (LONALITY RESULT	anged IgH (VDJ), IgH (DJ), Ig A extracted from bone ma or bone marrow from patie	K and IgL receptor gen arrow from patients w ents with chronic lympl	e sequences, as i ith B-cell acute lj hocytic leukemia	well as translocates (mphoblastic leuks (CLL).	BCL1/IgH (J) emia (ALL) or
SULTS SUMMARY					
Genomic DNA was extracted fre There were 2 sequences that m This dominant sequence has be Based on the dominant sequence cells per sample, subject to samp The results obtained from thi- history, and other findings. RITERIA FOR DEFINING "DOMINA" The sequence must comprise at base The sequence must comprise at base	m a bone marrow asplirate et the criteria for a "domina tern tagged for tracking in o tores identified for this patier ple quality and quantity. sassay should always be u ANT SEQUENCES I 3% of al like sequences (IGH: to 2.5% of the total nucleated of 10.2% of the total nucleated of 10.2% of the total nucleated of the sectors of the sequences (IGH: to 2.5% of the total nucleated of the sectors of t	slide sample. nt" sequence. ther samples from this j nt, the assay's analytica used in combination v involved, ISK, and IGL are els in the sample.	patient. I limit for subsequ rith the clinical considered indepen	ient MRD detection examination, pati idently).	i is 1.903 clonal
Genomic DNA was extracted for There were 2 expenses that min The dominant sequence that buy The dominant sequence that buy The results obtained from this The results obtained from this There sults obtained from this There such on the sequence and The sequence must complete a law The sequence must be carried by at The sequence must be at the sequence must be at the sequence must be at the sequence must by at The sequence must by at the sequence must be at the seq	om a bone marrow appinet the oriteral for a "homina too science" of the oriteral for a "homina toos identified for this patient be quality and quantity. It as any should always be u hould always be u hould always be u house to be a state sequences (bit- section of the sequences (bitsection of the sequences (bitsection of the sequences) (bitsection of the sequences) (bitsection of the sequences) (bitsection of the s	side sample.	patient. Ilimit for subsequ rith the clinical considered indepen ances when ranked myple.	ent MRD detection examination, pati udenty), ity frequency).	i is 1.903 clonal

Tracking (MRD) Report



I want to order clonoSEQ. How do I get started?



Contact Clinical Services

Contact Adaptive's Clinical Services team at 1-888-552-8988 or clinicalservices@adaptivebiotech.com



Set up account

Obtain an account setup form for your practice



Fill out Physician Registration Form

Provide details on your practice and establish contact preferences



Access reports online Patient reports are available through the Diagnostic Portal or secure fax



Samples processed

Turnaround time is approximately 7 days for fresh specimens and 14 days for stored/archived specimens

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Order online Our secure online Diagnostic Portal reduces data entry errors and makes repeat ordering easy

4. clonoSEQ[®]. [technical summary]. Seattle, WA: Adaptive Biotechnologies Corporation; 2020.

5. Ching T, et al. BMC Cancer. 2020;20:612.

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