

**UNITED STATES PATENT AND TRADEMARK OFFICE**

---

BEFORE THE PATENT TRIAL AND APPEAL BOARD

---

HOLOGIC, INC.,  
and BECTON, DICKINSON AND COMPANY,  
Petitioners

v.

ENZO LIFE SCIENCES, INC.,  
Patent Owner

---

Case IPR2016-00820  
U.S. Patent No. 7,064,197

---

**PETITIONERS' UPDATED EXHIBIT LIST**

Further to 37 C.F.R. § 42.63(e), Petitioner hereby submits a current listing of Petitioners' Exhibits to counsel for Patent Owner Enzo Life Sciences, Inc.

### LIST OF EXHIBITS

Exhibit	Description
Ex. 1001	U.S. Patent No. 7,064,197 (issued June 20, 2006) ("the '197 Patent").
Ex. 1002	Declaration of Dr. Norman Nelson (including his CV as Exhibit A).
Ex. 1003	Excerpt from File History of the '197 Patent (Amendment dated October 31, 2003).
Ex. 1004	U.S. Appl. No. 06/461,469 ("the '469 application").
Ex. 1005	File History of U.S. Appl. No. 06/732,374 ("the '374 application").
Ex. 1006	Falk Fish and Morris Ziff, "A Sensitive Solid Phase Microradioimmunoassay For Anti-Double Stranded DNA Antibodies," <i>Arthritis and Rheumatism</i> , Vol. 24, No. 3 (March 1981) ("Fish").
Ex. 1007	Barbara E. Noyes and George R. Stark, "Nucleic Acid Hybridization Using DNA Covalently Coupled to Cellulose," <i>Cell</i> , vol. 5, 301-310 (July 1975) ("Noyes").
Ex. 1008	A. C. Van Prooijen-Knegt, et al. "In Situ Hybridization of DNA Sequences in Human Metaphase Chromosomes Visualized by an Indirect Fluorescent Immunocytochemical Procedure." <i>Experimental Cell Research</i> 141, 397-407 (October 1982) ("VPK").
Ex. 1009	U.S. Patent No. 5,572,892 (patented March 30, 1971) ("Metzgar").
Ex. 1010	District court's Claim Construction Order for terms in the '197 Patent.
Ex. 1011	Excerpt from File History of the '197 Patent (Communication dated August 10, 2007, and associated Exhibit 6).
Ex. 1012	Submission in EP Patent 0117440 (App. 84100836.0-2106) dated June 7, 2000.
Ex. 1013	Excerpt from File History of the '197 Patent (Amendment dated May 25, 2005).
Ex. 1014	Excerpt from File History of the '197 Patent (Office Action dated September 29, 2005).
Ex. 1015	A. C. Van Prooijen-Knegt, et al. "Spreading and staining of human metaphase chromosomes on aminoalkylsilane-treated glass slides." <i>Histochemical Journal</i> 14, 333-344 (1982).
Ex. 1016	Excerpt from File History of EP Patent 0117440 (Enzo November 3, 1997, Submission).

Exhibit	Description
Ex. 1017	Taylor et al., "Impact of surface chemistry and blocking strategies on DNA microarrays," <i>Nucleic Acids Research</i> , Vol. 31, 2003.
Ex. 1018	Aotsuka et al., "Measurement of anti-double stranded DNA Antibodies in major immunoglobulin classes." <i>Journal of Immunological Methods</i> , 28, 149-62 (1979).
Ex. 1019	P. T. Gilham, "Immobilized Polynucleotides and Nucleic Acids," published in <i>Immobilized Biochemicals and Affinity Chromatography</i> (R. B. Dunlap (ed.)), 1974 (Ex. 1019) ("Gilham").
Ex. 1020	U.S. Patent Publication No. 2002/0164626 to Diehl et al., published November 7, 2002.
Ex. 1021	Diehl et al., "Manufacturing DNA microarrays of high spot homogeneity and reduced background signal," <i>Nucleic Acids Research</i> , Vol. 31, 2001.
Ex. 1022	Excerpt from File History of the '197 Patent (Office Action dated November 26, 2004).
Ex. 1023	Patent Owner's Opening Claim Construction Brief for terms in the '197 Patent filed June 24, 2014 in related litigations.
Ex. 1024	Excerpt from the '197 Patent File History (Supplemental amendment filed November 8, 2005).
Ex. 1025	Excerpt from the '197 Patent File History (Response filed June 30, 2004).
Ex. 1026	Excerpt from the '197 Patent File History (Response filed September 27, 1991).
Ex. 1027	Assignment record of the '197 Patent from USPTO assignment database.
Ex. 1028	K. B. Ramachandran and D. D. Perlmutter, "Effects of Immobilization of the Kinetics of Enzyme-Catalyzed Reactions. I. Glucose Oxidase in a Recirculation Reactor System," <i>Biotechnology and Bioengineering</i> , Vol. XVIII, 669-684 (1976) ("Ramachandran").
Ex. 1029	Excerpt from the EP Patent 0117440 File History (Enzo submission filed December 28, 1994).
Ex. 1030	Excerpt from the '197 Patent File History (Response filed July 30, 1999).
Ex. 1031	Excerpt from the '197 Patent File History (Office Action dated December 12, 1998).
Ex. 1032	Webpage of Pat Brown Lab in Stanford University showing preparation of PLL ( <a href="http://cmgm.stanford.edu/pbrown/protocols/1_slides.html">http://cmgm.stanford.edu/pbrown/protocols/1_slides.html</a> ), last

Exhibit	Description
	visited March 30, 2016.
Ex. 1033	Technical bulletin from Sigma-Aldrich providing information on poly-L-lysine (PLL).
Ex. 1034	<i>Reserved</i>
Ex. 1035	March 1, 2017 Deposition Transcript of Gregory A. Buck.
Ex. 1036	March 21, 2017 Deposition Transcript of Barry W. Weiner.
Ex. 1037	Bhattacharyya Declaration dated April 5, 2017

Dated: April 5, 2017

Respectfully submitted,

/Arpita Bhattacharyya/

Arpita Bhattacharyya

Reg. No. 63,681

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Two Seaport Lane

Boston, MA 02210-2001

Telephone: 617.646.1676

Facsimile: 617.646.1666

E-mail: arpita.bhattacharyya@finnegan.com

*Back-up Counsel for Petitioner Hologic, Inc.*

**CERTIFICATE OF SERVICE**

The undersigned certifies that the foregoing PETITIONERS' UPDATED EXHIBIT LIST was served on April 5, 2017, in its entirety via electronic mail to Patent Owner's and BD's counsel at:

For Patent Owner

EnzoIPRService@desmaraisllp.com  
Kevin K. McNish  
kmcnish@desmaraisllp.com  
Michael P. Stadnick  
mstadnick@desmaraisllp.com  
Justin P.D. Wilcox  
jwilcox@desmaraisllp.com  
Kerri-Ann Limbeek  
klimbeek@desmaraisllp.com

For BD

Jamie T. Wisz  
jamie.wisz@wilmerhale.com  
Heather Petruzzi  
heather.petruzzi@wilmerhale.com  
Nancy Lynn Schroeder  
nancy.schroeder@wilmerhale.com

Patent Owner and BD have consented to electronic service.

Date: April 5, 2017

Respectfully submitted,

/Maria D. Kennedy/  
Maria D. Kennedy  
Litigation Clerk  
FINNEGAN, HENDERSON,  
FARABOW, GARRETT &  
DUNNER, L.L.P.