

significant breakage of large molecules. For fungi, a gentle DNA preparation method involves spheroplasting with enzymes that digest the cell wall, and then lysis. After additional steps to remove proteins and RNA, the DNA is usually high molecular weight and high quality. The drawback of a spheroplasting-based protocol is that the spheroplasting enzymes need to be specific for the fungus, and are not applicable to all fungi. The technique also can be time-consuming and laborious. We have applied EPICENTRE's MasterPure™ Yeast DNA Purification Kit to a number of different

fungus species and have been quite successful in getting high quality DNA from each species. Importantly, while we expected the kit to easily isolate *C. albicans* DNA, we have found that the kit also works well for *C. neoformans* DNA isolation and *A. fumigatus* DNA isolation. In all three cases the DNA is recovered as high molecular weight molecules and is also of sufficient purity to digest easily with standard restriction enzymes. By scaling up using multiple preps, we have been able to recover sufficient quantities to perform multiple digestions. Since the cost per sample is relatively low and eas-

ily comparable to the spheroplasting method, we now use the EPICENTRE kit for all routine DNA isolations.

www.epicentre.com/masterpure_yeast.asp

MasterPure™ Yeast DNA Purification Kit

MPY80010	10 Purifications
MPY80200	200 Purifications

Contents:

- Yeast Cell Lysis Solution
- MPC Protein Precipitation Reagent
- TE Buffer
- RNase A

EPICENTRE Completes Validation of New cGMP Compliant Manufacturing Facility

EPICENTRE announces the validation of its new 2,000 square-foot, cleanroom manufacturing facility. Since 1997, EPICENTRE has been manufacturing raw materials for diagnostic kits and pharmaceuticals in development. With the validation of the new 100 L cGMP compliant fermentor, EPICENTRE's capacity has increased to produce kilogram quantities of microbial enzymes.

"The incorporation of our segregated Class 100,000 and 10,000 clean rooms, with Class 100 work benches and USP PW (United States Pharmacopeia Purified Water) and WFI (Water For Injection) System, makes our new facility one of the best for a non-pharmaceutical biotechnology company" says George Nielander,

Regulatory Affairs Officer. "Based on ISO 9000 and QSR (Quality System Requirement) guidelines, our documented Quality System meets or exceeds the most demanding client's requirements."

"Validation of materials is a major expense in bringing a kit or drug to market" reports Gary Wolfe, Sales Manager. "A key benefit EPICENTRE now offers to its clients is that the researcher can start with EPICENTRE enzymes in the early development stage and be fully confident that these same raw materials will be available, scalable, and compliant up through Phase II trials. There will be no need for a costly revalidation of a new supplier as the product moves out of research and development into production."



Where To Find Us

	<u>Date</u>	<u>Conference</u>	<u>Location</u>
2003	September 28 – October 2	11th Int'l Conf. on Microbial Genomes www.esd.ornl.gov/microbial_genomes/agenda.html	Millennium Hotel - Durham NC
	October 14 – 17	National Institutes of Health Research Festival http://festival03.nih.gov	National Institutes of Health - Bethesda MD
	November 4 – 7	American Society of Human Genetics www.faseb.org/genetics/ashg/menu-annmeet.shtml	Los Angeles Convention Center - Los Angeles CA
	December 13 – 17	American Society of Cell Biology https://www.ascb.org/ascbsec/advregistration/advregsfrm03.cfm	Moscone Convention Centre - San Francisco CA
2004	January 10 – 14	Plant & Animal Genome www.intl-pag.org/pag/	Town & Country Convention Center - San Diego CA
	March 27 – 31	American Society of Cancer Research www.aacr.org/2004am.asp	Orlando Convention Center - Orlando FL
	May 23 – 27	American Society of Microbiologists www.asm.org/meetings/index.asp?bid=697	New Orleans Convention Center - New Orleans LA
	August 8 – 13	Drug Discovery Technology www.drugdisc.com	Hynes Convention Center - Boston MA