

P04003

## DSY-5 Yeast Expression Strain

---

<b>Product</b>	DSY-5 general purpose yeast expression strain
<b>Contents</b>	Yeast stab culture
<b>Storage</b>	Store stab culture at 4°C for up to 2 months
<b>Handling</b>	<p><b>Stab cultures</b></p> <p>Insert a sterile inoculation loop into the cloudy area of the agar stab, remove and streak onto a YPD plate. Seal plate with parafilm and incubate at 30°C for 2-3 days until white 1-2 mm diameter colonies appear. Proceed immediately to preparing glycerol stocks. Store plate at 4°C for up to 1 month.</p> <p><b>Preparing glycerol stocks</b></p> <p>Inoculate several colonies into 20 ml liquid YPD medium and grow overnight at 30°C with shaking. Pellet cells by centrifugation at 2500x g for 5 minutes, discard the supernatant and resuspend the pellet in 10 ml freezing mix (2xYPD medium / 25% glycerol). Aliquot into cryotubes and place at -80°C (do NOT flash freeze in liquid nitrogen!). Glycerol stocks are viable for several years when stored at -80°C. To restreak a stock, remove a cryotube from the freezer and scratch off the yeast from the surface of the frozen stock using a sterile loop. Streak onto a YPD plate, seal the plate with parafilm and incubate at 30°C for 2-3 days. Yeast plates can be stored at 4°C for 1 month. Do not use yeast older than 1 month for transformation.</p>
<b>Genotype</b>	<i>MATalpha leu2 trp1 ura3-52 his3::GAL1-GAL4 pep4 prb1-1122</i>
<b>Application</b>	DSY-5 has been designed for expression of recombinant proteins in yeast. Good growth characteristics ensure high cell densities both in synthetic defined (SD) and rich (YPD) medium. Deletion of the two major vacuolar proteases Pep4 and Prb1 ensures minimal protein degradation during cell lysis.
<b>Support</b>	Please see <a href="http://www.dualsystems.com">www.dualsystems.com</a> for support and protocols. Please direct support inquiries to <a href="mailto:support@dualsystems.com">support@dualsystems.com</a> or call +41 44 738 50 00.
<b>Research use</b>	This product is intended for research use only, not for diagnostic or therapeutic uses.
<b>MSDS</b>	Non-hazardous. No MSDS required. Observe good laboratory practice guidelines and wear gloves, laboratory coat and glasses when handling the product.
<b>Version</b>	2009-1