

P04003

## DSY-5 Yeast Expression Strain

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<b>Product</b>	DSY-5 general purpose yeast expression strain
<b>Contents</b>	Lyophilized yeast culture
<b>Storage</b>	Store lyophilized strain at room temperature, do not freeze
<b>Handling</b>	<p><b>Lyophilized strains</b></p> <p>To rehydrate the strain, add 50 µl sterile Millipore quality water and let stand for 10 minutes at room temperature. Resuspend by gentle shaking (some undissolved clumps may remain, this does not decrease the performance of the strain) and streak out 5 µl and 40 µl on fresh YPAD plates. Incubate at 30°C for 2-3 days, you should see 1-2 mm diameter white/pinkish colonies. Store plate at 4°C, restreak every week.</p> <p><b>Strains supplied in 1x PBS pH 7.5 as liquid culture</b></p> <p>Upon receipt, briefly vortex the tube and restreak the strain onto a fresh YPAD plate. Incubate at 30°C for 2-3 days, you should see 1-2 mm diameter white/pinkish colonies. Store plate at 4°C, restreak every week.</p> <p><b>Preparing glycerol stocks</b></p> <p>Inoculate several colonies into 20 ml liquid 1x YPAD 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 (2x YPAD 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 YPAD 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>MAT<math>\alpha</math> leu2 trp1 ura3-52 his3::GAL1-GAL4 pep4 prb1-1122</i>
<b>Application</b>	<p>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.</p> <p>Recommended dilution for Western blotting is 1:5'000. Dilute antibody in 1x PBS pH 7.4, 0.1% Tween-20, 1% non-fat milk powder, or similar incubation buffer. We recommend incubation volumes of 10 ml and incubation times of 10-15 hours at 4°C.</p>
<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>	2007-10-08da