



WHITE LABS® CORE STRAINS

YEAST GUIDE

Ale

YEAST STRAIN

DESCRIPTION

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Lager

YEAST STRAIN

DESCRIPTION

YEAST STRAIN	DESCRIPTION	ALCOHOL TOLERANCE	ATTENUATION (%)	FLOCCULATION	OPTIMUM FERMENTATION TEMPERATURE (degrees Fahrenheit)	GERMAN STYLE PILSENER	BOHEMIAN STYLE PILSENER	MÜNCHEN STYLE HELLES	EUROPEAN STYLE PILSENER	AMERICAN STYLE LIGHT LAGER	AMERICAN STYLE PREMIUM LAGER	VIENNA STYLE SPECIALTY LAGER	GERMAN STYLE LIGHT LAGER	EUROPEAN STYLE MAZZEN	AMERICAN STYLE DARK LAGER	GERMAN STYLE SCHWABER BOCK
WLP800 Pilsner Lager Yeast	A classic pilsner strain from the Czech Republic, this strain produces a clean, crisp beer that's somewhat dry with a malty finish.	M	72-77	M-H	50-55°	●	●									
WLP802 Czech Budějovice Lager Yeast	A pilsner lager yeast from southern Czech Republic, this strain produces dry and crisp lagers with low diacetyl production. This strain will make a dry beer and showcase rounded hop bitterness.	M	75-80	M	50-55°	●	●									
WLP810 San Francisco Lager Yeast	A unique lager strain because it can ferment at a wide range of temperatures while retaining lager-like characteristics. This strain is traditionally used to brew the California common or steam beer styles.	M-H	65-70	H	58-65°	●	●									
WLP820 Oktoberfest/Märzen Lager Yeast	This strain is ideal for producing malty lagers. Residual sweetness further helps promote malt nuances while contributing to a balanced finish. Great for lagers with a wide gravity range.	M-H	65-73	M	52-58°	●	●	●	●	●	●	●	●	●	●	●
WLP830 German Lager Yeast	Our most popular lager yeast, this strain is one of the most widely used lager strains in the world. It tends to produce clean and crisp beers with some accentuation of hop characteristics.	M	74-79	M	50-55°	●	●				●	●	●	●	●	●
WLP833 German Bock Lager Yeast	From the Alps of southern Bavaria, this yeast produces a beer that is well-balanced between malt and hop character.	M-H	70-76	M	48-55°						●	●	●	●	●	●
WLP838 Southern German Lager Yeast	This yeast is characterized by a malty finish, balanced aroma and great flocculation. It is a strong fermenter which produces slight sulfur and low diacetyl during fermentation. This strain benefits from a diacetyl rest and conditioning.	M	68-76	M-H	50-55°	●	●								●	●
WLP840 American Lager Yeast	This strain makes dry and clean lagers with a light note of apple fruitiness. Sulfur and diacetyl production is minimal making this strain easy to work with and fitting for American-style lagers.	M	75-80	M	50-55°	●	●									
WLP850 Copenhagen Lager Yeast	This northern European lager strain emphasizes clean and crisp characteristics. Malt flavors tend to be secondary, promoting clean drinkability.	M	72-78	M	50-58°	●	●				●	●	●	●	●	●
WLP1983 Charlie's Fist Bump Yeast	Licensed from Charlie Papazian, this strain can ferment at both ale and lager temperatures, allowing brewers to produce diverse beer styles.	M	66-70	L	55-58°											
WLP920 Old Bavarian Lager Yeast	From Southern Germany, this yeast finishes malty with a slight ester profile. Use in beers such as Oktoberfests, bocks, and dark lagers.	M-H	66-73	M	50-55°	●	●	●	●	●	●	●	●	●	●	●
WLP925 High Pressure Lager Yeast	Used to ferment lager beer in one week. Ferment at room temperature: 62-68°F (17-20°C) under 10 bar (14.7 PSI) until final gravity is obtained, lager the beer at 35°F (2°C), 15 PSI, for 3-5 days to condition. Malt-forward and clean.	M	73-82	M	62-68°	●	●	●	●	●	●	●	●	●	●	●
WLP940 Mexican Lager Yeast	From Mexico City, this strain produces clean lager beers with a crisp finish. It keeps drinkability on the forefront while allowing malt and hop flavors and aromas to be background notes.	M	70-78	M	50-55°	●	●	●	●	●	●	●	●	●	●	●

Specialty/Belgian

YEAST STRAIN

DESCRIPTION

YEAST STRAIN	DESCRIPTION	ALCOHOL TOLERANCE	ATTENUATION (%)	FLOCCULATION	OPTIMUM FERMENTATION TEMPERATURE (degrees Fahrenheit)	AMERICAN STYLE WHEAT ALE	GERMAN WIT	BELGIAN WIT	DUBBEL	TRIPPEL	SPICED ALES	GRAND CRU	OTHER HIGH GRAVITY	CHRISTIAN BEERS	SPECIALTY BEERS	SAISONS
WLP300 Hefeweizen Ale Yeast	This popular German strain produces a high level of isoamyl acetate, giving the resulting beer notes of banana. With balanced phenol production, this strain produces notes of clove but remains banana forward.	M	72-76	L	68-72°	●										
WLP320 American Hefeweizen Ale Yeast	This strain ferments much cleaner than it's hefeweizen strain counterparts. It produces very slight banana and clove notes and has low flocculation, leaving resulting beers with characteristic cloudiness.	M	70-75	L	65-69°	●										
WLP351 Bavarian Weizen Ale Yeast	This is former Yeast Lab W51. It produces a classic German-style wheat beer, with medium to high spicy phenolic overtones reminiscent of cloves.	M	73-77	L	66-70°	●	●									
WLP380 Hefeweizen IV Ale Yeast	Produces clove-like phenols in the aroma and flavor while keeping banana flavors and aromas to a minimum. Creates refreshing citrus and apricot notes. This strain has low flocculation and minor sulfur production.	M	73-80	L	66-70°	●	●									
WLP400 Belgian Wit Ale Yeast	High phenol production contributes an herbal aroma and flavor notes which blends well with herb and fruit adjuncts. Expect a slightly lower resulting pH than English or American ale strains creating a dry beer.	M	74-78	L-M	67-74°		●	●	●	●					●	●
WLP410 Belgian Wit II Ale Yeast	A fairly clean strain with medium intensity and spice-like phenol production. With up to 75% attenuation, this strain produces a residual malt character.	M	70-75	L-M	67-74°		●	●	●	●						
WLP500 Monastery Ale Yeast	Sourced from a Belgian monastery, this strain produces characteristic notes of plum and cherry with a hint of bubble gum.	H	75-80	L-M	65-72°		●	●	●	●	●	●	●	●	●	●
WLP510 Bastogne Belgian Ale Yeast	A high-gravity ale yeast that produces a dry beer with a slightly acidic finish. While fruit forward, this strain is mild on spice-like phenols.	H	74-80	M	66-72°			●	●	●		●	●	●	●	●
WLP518 Opshaug Kveik Ale Yeast	It is a clean fermenting yeast and has tolerated temperatures up to 95°F (35°C) while finishing fermentation within three to four days. The hop-forward, clean characteristics of this strain make it ideal for IPAs and pale ales.	M-H	70-80	H	77-95°							●	●	●	●	●
WLP530 Abbey Ale Yeast	This is a traditional Belgian abbey strain that produces cherry, plum and pear esters. Medium flocculation results in a clear, drinkable beer.	H	75-80	M-H	66-72°		●	●	●	●					●	●
WLP540 Abbey IV Ale Yeast	This strain produces balanced fruit aroma and flavor characters.	H	74-82	M	66-72°			●	●	●					●	●
WLP545 Belgian Strong Ale Yeast	From the Ardennes region of Belgium, this strain produces moderate levels of ester and phenolic characters, described as dried sage and black cracked pepper. High attenuation results in a dry finish ideal for high gravity beer.	H	78-85	M	66-72°		●	●	●	●	●	●	●	●	●	●
WLP550 Belgian Ale Yeast	This very expressive strain produces phenol-forward flavors and aromas reminiscent of clove, allspice and peppercorns.	M-H	78-85	M	68-78°		●	●	●	●	●	●	●	●	●	●
WLP565 Belgian Saison I Ale Yeast	A classic saison strain sourced from the Wallonia region of Belgium. This strain makes a classic saison by producing flavors and aromas noted as earthy, peppery and spicy.	M	65-75	M	68-75°		●	●	●	●	●	●	●	●	●	●
WLP566 Belgian Saison II Ale Yeast	This strain is a moderate phenol producer with clove-like flavor and aromatic notes present in finished beer. Some fruit-forward ester production provides a balance between fruit and spice aroma and flavors.	M	78-85	M	68-78°		●	●	●	●	●	●	●	●	●	●
WLP568 Belgian-Style Saison Ale Yeast Blend	Incorporates Belgian and saison strains to produce pear-like esters backed by spicy, earthy and clove-like flavors and aromas. Creates harmony and complexity throughout its ester and phenol production.	M	70-80	M	70-80°		●	●	●	●	●	●	●	●	●	●
WLP570 Belgian Golden Ale Yeast	From East Flanders, this yeast is versatile in that it can produce low to high gravity Belgian beers up to 12% ABV. A combination of fruitiness and phenolic characteristics dominate the flavor profile.	H	73-78	L	68-75°		●	●	●	●	●	●	●	●	●	●
WLP575 Belgian-Style Ale Yeast Blend	A blend of two monastery-type yeast strains and one Belgian ale-type yeast. This blend creates a versatile culture which can be used for monastery-style beers or a myriad of American-Belgian style beers.	M-H	74-80	M	68-75°		●	●	●	●	●	●	●	●	●	●
WLP590 French Saison Ale Yeast	One of our most popular saison strains, it produces flavors and aromas of pear, apple and cracked pepper. This strain is a high attenuator producing a very dry and drinkable finishing beer.	M	73-80	M	69-75°		●	●			●				●	●
WLP644 Saccharomyces "bruxellensis" Trois	This Belgian strain, traditionally used for wild yeast fermentations, produces a slightly tart beer with delicate mango and pineapple characteristics.	M-H	85+	L	70-85°			●		●		●	●	●	●	●

Wild Yeast and Bacteria

YEAST STRAIN

DESCRIPTION

YEAST STRAIN	DESCRIPTION	ALCOHOL TOLERANCE	ATTENUATION (%)	FLOCCULATION	OPTIMUM FERMENTATION TEMPERATURE (degrees Fahrenheit)	BERLINER WEISSE	FLANDERS RED	FLANDERS BROWN	LAMBIC	GEuze	FRUIT LAMBIC	SAISON	BELGIAN ALE	BELGIAN SPECIALTY ALE
WLP630 Berliner Weisse Blend	A blend of German weizen yeast and Lactobacillus bacteria to create a subtly tart, drinkable beer. This blend can take several months to develop tart character making it perfect for a traditional Berliner Weisse.	M	73-80	M	68-72°	●			●		●			
WLP645 Brettanomyces clausenii	Isolated from strong English stock beer in the early 20th century, this yeast has low-intensity Brettanomyces character. Produces fruity, pineapple-like aroma with an earthy hay-like background.	M-H	70-85	L	85+°	●	●	●	●		●	●	●	●
WLP648 Brettanomyces bruxellensis Trois Vrai	The vrai "true" in French Brettanomyces bruxellensis Trois. It has a robust, complex sour character with aromas of pear.	M-H	85+	L	70-85°		●	●	●	●	●	●	●	●
WLP650 Brettanomyces bruxellensis	A classic strain used for secondary fermentation in Belgian-style beers. It creates a medium-intensity, earth-forward character in finished beer.	M-H	85+	L	85+°		●	●	●	●	●	●	●	●
WLP653 Brettanomyces lambicus	This yeast produces a high intensity of the traditional Brettanomyces characters — horsey, smoky and spicy flavors — in beer.	M-H	70-85	L	85+°			●	●	●			●	
WLP655 Belgian Sour 1 Mix	A unique blend of Brettanomyces and Saccharomyces yeasts as well as bacterial strains Lactobacillus and Pediococcus. Perfect for duplicating traditional spontaneous fermentations.	M-H	70-80	L-M	80-85+°	●	●	●	●	●	●			
WLP661 Pediococcus damnosus	This is a cocc bacteria known for its souring capabilities through the production of lactic acid. It is a high diacetyl producer and slow growing, so it's suggested to use in a mixed culture.	M-H	65	L	70-75°		●	●						
WLP670 American Farmhouse Blend	Inspired by American brewers crafting semi-traditional Belgian-style ales. Creates a complex flavor profile with a moderate level of sourness. Consists of a traditional farmhouse yeast strain and Brettanomyces.	M	75-82	M	68-72°						●	●	●	●
WLP672 Lactobacillus brevis	Rod-shaped Lactobacillus bacteria used for souring beers through traditional or kettle souring techniques. Typically produces more lactic acid than WLP677 Lactobacillus delbrueckii. Ideal for any sour program.	M	80	L	70-75°	●	●	●						
WLP677 Lactobacillus delbrueckii	This lactic acid bacteria produces moderate levels of acidity and sour flavors found in lambics, Berliner Weisse, sour brown ales and gueuze.	M	75-82	L	70-75°	●	●	●	●	●				
WLP675 Malolactic Cultures	Converts malic acid to lactic acid, which in turn decreases acidity and helps soften and/or round out some of the flavors in wine.	VH	N/A	N/A	>70°									

Wine/Mead/Cider Yeast

WLP705 Sake #7 Yeast
Produces a full-bodied character and subtle fruity esters. For use in rice-based fermentations; typically used in conjunction with koji (to produce fermentable sugar).
Alcohol Tolerance: VH • **Attenuation:** 80-100 • **OPT:** 70-100°

WLP715 Champagne Yeast
Classic yeast that is neutral in character, and a strong fermenter. Great for use in wine, cider, mead and beer allowing the character of the fermentables to become prominent flavors.
Alcohol Tolerance: VH • **Flocculation:** L • **Attenuation:** 75-100 • **OPT:** 70-75°

WLP720 Sweet Mead/Wine Yeast
Produces a slightly fruity flavor and aroma while leaving more residual sweetness than WLP715 Champagne Yeast. This strain will tolerate alcohol concentrations up to 15%.
Alcohol Tolerance: VH • **Flocculation:** L • **OPT:** 70-75°

WLP735 French White Wine Yeast
Classic yeast for