

White Labs Distilling Fermentation Worksheet

Product	Recommendations								
	Start Brix	End Brix	pH start	pH end	Duration (hrs)	Alcohol %	Yeast	Nutrient	Enzyme
Rum	16-25	0 <i>Can be >8</i>	4.5-4.8	3.5	24-120	5 to 7% <i>Up to 10%</i>	1,2,3,4,14	1, 2	N/A
Bourbon Whiskey	13.5	1.5	4.8-5.2	3.9	72-120	8%	3,4,5,10,13	1,2,3	1,2,4
Rye Whisky	13.5	1.5	4.8-5.2	3.9	72-120	8%	3,4,9,10,13	N/A	1,2,4
Scotch Whisky	11 to 15	0	5.5	3.6	48-120	8%	1,2,3,4,11,12	N/A	N/A
Tequila (100% agave)	4 to 11	0.5	4-4.5	3.9	24-72 (or longer)	4-12%	3,4,9	1,2	N/A
Brandy	20-25	1.5	4.8-5.2	3.9	72 (or longer)	5.8-8%	1,2,4,5,6,7,8,9,14,16	1,2	1
Vodka	13-25	1.5	4.8-5.2	3.9	72-120	5.5-15%	1,3,4,5,15	1,2	1,2,3
Gin	13-25	1.5	4.8-5.2	3.9	72-120	5.5-15%	1,3,4,5,15	1,2	1,2,3

Yeast Choices	Usage Rates
1 EDV 46	2 lb per 500 gallons
2 EDV 493	2 lb per 500 gallons
3 Superstart	2 lb per 500 gallons
4 Lallemand K1	2 lb per 500 gallons
5 Lallemand EC1118	2 lb per 500 gallons
6 Lallemand DV10	2 lb per 500 gallons
7 Lalvin FC9	2 lb per 500 gallons
8 Uvaferm BC	2 lb per 500 gallons
9 Lallemand 71B	2 lb per 500 gallons
10 White Labs California Ale Yeast	1 liter per 125 gallons
11 White Labs Bedford British Ale Yeast	1 liter per 125 gallons
12 White Labs Edinburgh Scottish Ale Yeast	1 liter per 125 gallons
13 White Labs Tennessee Whiskey Yeast	1 liter per 125 gallons
14 White Labs Sweet Mead Yeast	1 liter per 125 gallons
15 White Labs Cabernet Yeast	1 liter per 125 gallons
16 White Labs English Cider Yeast	1 liter per 125 gallons

Nutrients	Usage Rates
1 Fermaid k	1 lb per 500 gallons
2 DAP	1 lb per 500 gallons
3 Servomyces	0.5 lb per 500 gallons

Enzymes	Usage Rates
1 Opti-Mash (Alpha Amylase)	50mls per 500 gallons
2 Visco-Buster (Beta Glucanase)	50mls per 500 gallons
3 Ultra-Ferm (Gluco-Amylase)	50mls per 500 gallons
4 Pro-Max (Protease)	50mls per 500 gallons

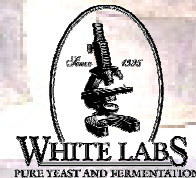
Analytical Services (Gas Chromatography)	
Acetaldehyde	Ethyl Octanoate
Ethyl Acetate	Ethyl Hexanoate
Isoamyl Acetate	Acetone
Propan-1-ol	Ethyl Butyrate
Iso-Butanol	Isobutyl Acetate
2-Methylbutanol	Methanol

Yeast Banking and Housing Services

Our expertly trained staff will prepare your proprietary yeast cultures for long-term housing and deep freeze storage. Service includes microbiological analysis, fermentation performance analysis, optimal culture selection, and mutation testing.

Culture banking provides security for strains at an off-site and protected location. Our lab can store your yeast for future use or provide you with pure liquid cultures or slants.

White Labs is an independent laboratory, and strict confidentiality is maintained for all proprietary strains and yeast cultures.



For more information, visit our website:
www.whitelabs.com