

Profile of extracellular metabolites identified in *Saccharomyces cerevisiae* samples grown on a glucose-limited chemostat under different environmental conditions.

Metabolite	Anaerobic steady-state			Transition (10 min intervals)					Aerobic steady-state		
	Sample 1	Sample 2	Sample 3	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 1	Sample 2	Sample 3
2-Hydroxybutyric acid	0.106413	0.083604	0.083364	0.086254	0.093668	0.090059	0.081056	0.070234	0.033605	0.033510	0.030304
2-Isopropylmalic acid	0.080333	0.059384	0.059255	0.049655	0.051492	0.063781	0.054825	0.056970	0.044170	0.040853	0.042627
2-Oxoglutaric acid	1.919510	1.757239	2.025254	1.366812	1.810587	2.196790	1.716326	1.800364	2.222546	2.436525	2.330841
3-Methyl-2-oxopentanoic acid	0.011280	0.016200	0.008705	0.009952	0.013710	0.022979	0.028734	0.014662	0.100651	0.092512	0.119926
4-Aminobutyric acid (GABA)	0.100344	0.105639	0.051201	0.066674	0.064287	0.073361	0.045271	0.065621	0.016374	0.021922	0.012095
4-Methyl-2-oxopentanoic acid	-0.020177	-0.003133	0.017693	-0.013310	-0.004192	-0.023583	-0.005271	-0.004280	0.065528	0.063350	0.082130
5-Oxotetrahydrofuran-2-carboxylic acid	21.893772	18.265134	19.980533	16.026782	17.106619	17.657001	12.318114	11.787397	0.655332	0.774396	0.752246
Alanine	3.701084	3.231218	3.337309	1.745796	1.767109	1.943522	1.899114	1.771271	0.429955	0.446485	0.383698
Aspartic acid	0.721226	0.555676	0.567977	0.423852	0.401617	0.406510	0.280495	0.317936	1.093393	1.118736	1.051932
Benzoic acid	0.023352	0.037343	0.035282	0.024261	0.044452	0.035217	0.018638	0.035554	0.069972	0.051670	0.044928
cis-Aconitic acid	0.065315	0.047042	0.066995	0.029235	0.040791	0.049651	0.041398	0.041858	0.020677	0.023864	0.023964
Citraconic acid	0.925545	0.698932	0.740742	0.582245	0.668148	0.631027	0.557379	0.562641	0.048998	0.049591	0.050656
Citramalic acid	6.804945	4.859424	5.843672	4.717338	5.505937	5.383478	4.476761	4.526010	0.155641	0.140760	0.158293
Citric acid	0.684886	0.473966	0.533696	0.331708	0.388065	0.339487	0.286191	0.328595	0.258218	0.295195	0.276322
Decanoic acid (C10_0)	0.267991	0.240571	0.262186	0.154289	0.120195	0.176248	0.126310	0.175658	0.460926	0.421227	0.419612
Dodecane	0.042558	0.028494	0.032486	0.062783	-0.014355	-0.005674	0.095888	-0.028085	0.020451	0.006550	-0.004582
Fumaric acid	0.180473	0.147652	0.157748	0.135105	0.142492	0.155042	0.137064	0.105982	0.100441	0.123518	0.125044
Glutamic acid	0.304685	0.203070	0.234611	0.109352	0.125647	0.132183	0.132897	0.158626	0.505501	0.558481	0.511842
Glutaric acid	0.023285	0.013274	0.019794	0.023098	0.019766	0.023769	0.021880	0.015221	0.044552	0.042617	0.038077
Glutathione	0.057281	0.050069	0.055703	0.031578	0.026439	0.038955	0.039658	0.037292	0.086463	0.086817	0.077480
Glycine	1.110993	0.960623	1.057412	0.427402	0.524612	0.529068	0.506615	0.426283	0.190229	0.195929	0.186576
Glyoxylic acid	0.000543	-0.036996	-0.007416	-0.012447	-0.043087	-0.010329	-0.007225	-0.042117	0.011557	0.030897	0.025774
Hexanoic acid (C6_0)	0.015718	0.115759	0.252855	0.154609	0.049748	0.270545	0.037149	0.064361	0.119617	0.066737	0.055154
Lactic acid	91.142344	84.244890	87.036449	74.863917	79.404236	78.946294	67.582082	57.945931	0.950670	0.943366	0.987473
Malic acid	0.345882	0.234246	0.290020	0.256502	0.256907	0.286930	0.212159	0.297307	0.078956	0.078346	0.070201
Malonic acid	0.061781	0.047897	0.055194	0.033437	0.049091	0.047055	0.045451	0.042610	0.039351	0.044737	0.042971
Nicotinamide	0.204050	0.250641	0.011598	-0.000479	-0.007456	-0.028156	0.041068	-0.093139	0.010012	-0.015259	-0.030569
Nicotinic acid	-0.938927	-0.850965	-0.944243	-0.743348	-0.832063	-0.888854	-0.883593	-0.662871	-0.439431	-0.449152	-0.444087
Octanoic acid (C8_0)	0.767201	0.648971	0.957330	0.454172	0.305268	0.483227	0.247719	0.289910	0.710772	0.406372	0.432234
Palmitic acid (C16_0)	0.464714	0.417898	0.536450	0.336336	0.244674	0.296143	0.208553	0.261124	0.091809	0.104814	0.057165
para-Toluic acid	0.029099	0.008200	0.022855	0.012626	0.029003	0.031375	0.021304	0.006451	0.026248	0.009084	0.006743
Phenylalanine	0.023984	0.021891	0.031848	0.033698	0.031097	0.045954	0.056192	0.073822	0.015638	0.015477	0.013397
Proline	1.242105	1.092525	1.213951	0.662907	0.616380	0.592477	0.550987	0.541745	0.070546	0.070701	0.079839
Pyruvic acid	4.139960	2.945814	3.586795	3.884511	5.291706	6.192136	4.670806	5.047266	1.149954	1.466699	1.379437
Stearic acid (C18_0)	0.872023	0.730870	0.833911	0.566317	0.307013	0.458789	0.299801	0.415480	0.127048	0.162679	0.070979
Succinic acid	45.847175	28.216393	33.591157	29.217153	32.934375	28.994812	24.681018	24.996812	1.025251	1.017795	0.991209

Tridecane	0.004944	0.029295	0.048554	0.019769	-0.000139	0.003280	0.061010	0.005291	-0.001634	0.003251	-0.008212
Valine	0.259512	0.220303	0.242224	0.128879	0.148560	0.224487	0.210472	0.197983	0.136888	0.146135	0.141563
