

**Table 1 A-stat and chemostat non-CO<sub>2</sub> by-product production comparison**

	$\mu = 0.10 \text{ h}^{-1}$		$\mu = 0.24 \text{ h}^{-1}$		$\mu = 0.30 \text{ h}^{-1}$		$\mu = 0.45 \text{ h}^{-1}$	
	Chemostat	A-stat	Chemostat	A-stat	Chemostat	A-stat	Chemostat	A-stat
O <sub>CBASP</sub>	0.188	0.139 ± 0.047	0.089	0.218 ± 0.018	0.195	0.268 ± 0.026	0.188	0.299 ± 0.026
O <sub>DHO</sub>	0.131	0.146 ± 0.021	0.117	0.181 ± 0.043	0.091	0.135 ± 0.029	0.065	0.078 ± 0.008
O <sub>lactate</sub>	ND	0.021 ± 0.005	0.034	0.041 ± 0.003	0.034	0.049 ± 0.006	0.046	0.059 ± 0.002
O <sub>NAA</sub>	ND	ND	0.006	ND	0.034	0.057 ± 0.013	0.069	0.111 ± 0.021
O <sub>orotate</sub>	0.091	0.137 ± 0.047	0.193	0.171 ± 0.041	0.115	0.171 ± 0.037	0.344	0.229 ± 0.012

Unit is mmol/g DCW. A-stat values represent the average from three independent experiments and standard deviation follows the ± sign. Chemostat values from one experiment. Refer to text for abbreviations. ND, not detected.