

Supplemental Information

Eucodis Lipase Kit

Lipase	Activity (preferred substrate)	Activity (chain length)	Hydrolysis (Olive Oil)	Temp. Optimum [°C]	Temp. Stability	pH Optimum	pH Stability	Stereo-Selectivity (potential)
EL001	butyrate, caprate, octanoate	C2 - C22	+++	25-45	<50°C	6-7	5-10	secondary alcohols ⁽¹⁾
EL003	butyrate	C2 - C22	n.d.	20-50	<50°C	6-7	5-10	secondary alcohols ⁽¹⁾
EL004	acetate	C2 - C18	+	60-70	12h 60°C	7	6-10	---
EL006	butyrate	C2 - C12	+	30-45	<50°C	7	5-9	---
EL008	butyrate, octanoate	C2 - C22	+	20-60	1h 60°C	7	5-7	Ethyl β -hydroxyhydrocinnamate: [R,S] > [R]
EL009	butyrate, octanoate	C2 - C22	n.d.	35-55	<60°C	7	5-10	Ethyl β -hydroxyhydrocinnamate: [R,S] >>> [R]
EL012	octanoate, caprate	C2 - C22	+++	>60	3h 60°C, 1h 70°C	7	5-10	secondary alcohols ⁽¹⁾
EL013	butyrate, octanoate, caprate	C2- C20	+++	35-45	<50°C	6-8	5-10	secondary alcohols ⁽¹⁾
EL014	octanoate, caprate	C2 - C22	++	30-40	<50°C	7-8	5-10	secondary alcohols ⁽¹⁾
EL015	butyrate	C2 - C20	+	25	<50°C	7-8	5-10	secondary alcohols ⁽¹⁾
EL016	octanoate, caprate	C2 - C22	++	>40	0.5h 60°C	7-8	6-10	---
EL017	butyrate, octanoate	C2 - C16	++	30-40	n.d.	7-8	5-9	---
EL020	octanoate	C2 - C22	++	>55	n.d.	7-8	5-9	---
EL030	butyrate	C2 - C18	n.d.	>55	8h 60°C	5,5-8	6-8	---
EL031	acetate	C2 - C22	n.d.	40-80	2h 60°C	7-9	5-10	---
EL032	acetate-octanoate	C2 - C16	n.d.	50-70	<50°C	7	5-10	---
EL037	acetate	C2 - C18	n.d.	<50	2h 60°C	8-9	5-10	---
EL038	butyrate	C2 - C12	n.d.	>50	<50°C	6-8	5-10	---
EL044	butyrate, caprate	C2 - C18	n.d.	50	<50°C	7-10	6-10	---
EL056	octanoate	C2 - C22	++	40-50	<50°C	8	5-10	---
EL064	butyrate	C2 - C16	+	40-50	<50°C	7	5-8	---
EL065	butyrate, octanoate	C2 - C18	++	30-40	<50°C	7-8	6-8	---
EL067	butyrate	C2 - C18	n.d.	25-45	<50°C	7-8	7-10	---
EL068	butyrate, octanoate	C2 - C18	n.d.	35-45	<50°C	7-9	7-10	secondary alcohols ⁽¹⁾
EL070	butyrate	C2 - C22	+++	40-60	6h 60°C	6-7	5-10	secondary alcohols ⁽¹⁾

(1) Resolution of secondary alcohols published in: Tetrahedron: Asymmetry 23 (2012) 583–586. Reprints available on request.