



HOKKAIDO UNIVERSITY

Title	Native wild mammals as <i>Escherichia albertii</i> carriers in the Chugoku and Kinki regions of western Japan
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Supplementary Table 3. Formulas per liter of homemade media.

Acetate agar			
	Sodium acetate	2.0 g	Kanto Chemical Co., Inc. (Tokyo, Japan)
	Sodium chloride	5.0 g	Fujifilm Wako Pure Chemical Corporation (Osaka, Japan)
	Magnesium sulfate	0.1 g	Kanto Chemical Co., Inc.
	Ammonium dihydrogen phosphate	1.0 g	Fujifilm Wako Pure Chemical Corporation
	Dipotassium hydrogen phosphate	1.0 g	Kanto Chemical Co., Inc.
	Bromothymol blue	0.08 g	Katayama Chemical Industries Co., Ltd. (Osaka, Japan)
	Agar	20.0 g	Fujifilm Wako Pure Chemical Corporation
	Sterilized at 121 °C for 15 min		Final pH 6.7 ± 0.2
Christensen's urea agar			
Basal medium	Peptone	1.0 g	Thermo Fisher Scientific, Inc. (Waltham, MA, USA)
	Sodium chloride	5.0 g	Fujifilm Wako Pure Chemical Corporation
	Dextrose	1.0 g	MP Biomedicals, LLC (Santa Ana, CA, USA)
	Potassium dihydrogen phosphate	2.0 g	Kanto Chemical Co., Inc.
	Phenol red	0.012 g	Fujifilm Wako Pure Chemical Corporation
	Agar	15.0 g	Fujifilm Wako Pure Chemical Corporation
	Sterilized at 121 °C for 15 min		pH 6.8 ± 0.2
Supplement*	Urea	2.0%	Nacalai Tesque, Inc. (Kyoto, Japan)
	*Urea was prepared as 20.0% w/v solution. After filtration through 0.45 μm membrane, the solution was mixed into the basal medium at capacity ratio 1:9.		
Esculin agar			
	Esculin	1.0 g	Nacalai Tesque, Inc.
	Peptone	10.0 g	Thermo Fisher Scientific, Inc.
	Sodium chloride	5.0 g	Fujifilm Wako Pure Chemical Corporation
	Iron (III) citrate	0.5 g	Kanto Chemical Co., Inc.
	Agar	20.0 g	Fujifilm Wako Pure Chemical Corporation
	Sterilized at 115 °C for 15 min		Final pH 7.3 ± 0.2
Moeller's decarboxylase broth			
	L-Arginine hydrochloride/L-Ornithine monohydrochloride	12.0 g	Fujifilm Wako Pure Chemical Corporation
	Peptone	5.0 g	Thermo Fisher Scientific, Inc.
	Meat extract	5.0 g	Kyokuto Pharmaceutical Industrial Co., Ltd. (Tokyo, Japan)
	Dextrose	0.5 g	MP Biomedicals, LLC
	Pyridoxine hydrochloride	0.01 g	Fujifilm Wako Pure Chemical Corporation
	Bromocresol purple	0.01 g	Thermo Fisher Scientific, Inc.
	Cresol red	0.005 g	Fujifilm Wako Pure Chemical Corporation
	Sterilized at 121 °C for 15 min		Final pH 6.0 ± 0.2
Purple agar for carbohydrate fermentation			
Basal medium	Peptone	10.0 g	Thermo Fisher Scientific, Inc.
	Meat extract	3.0 g	Kyokuto Pharmaceutical Industrial Co., Ltd.
	Sodium chloride	5.0 g	Fujifilm Wako Pure Chemical Corporation
	Bromocresol purple	0.02 g	Thermo Fisher Scientific, Inc.
	Agar	3.0 g	Fujifilm Wako Pure Chemical Corporation
	Sterilized at 121 °C for 15 min		pH 7.4 ± 0.2
Supplements*	Lactose monohydrate	0.5% (as anhydrate)	Nacalai Tesque, Inc.
	Sucrose	0.5%	Fujifilm Wako Pure Chemical Corporation
	L-Rhamnose	0.5%	Nacalai Tesque, Inc.
	D-Xylose	0.5%	Fujifilm Wako Pure Chemical Corporation
	D-Melibiose monohydrate	0.5% (as anhydrate)	Tokyo Chemical Industry Co., Ltd. (Tokyo, Japan)
	D-Raffinose pentahydrate	0.5% (as anhydrate)	Tokyo Chemical Industry Co., Ltd.
	Dulcitol	0.5%	Fujifilm Wako Pure Chemical Corporation
	D-Mannitol	0.5%	Fujifilm Wako Pure Chemical Corporation
	Inositol	0.5%	Ishizu Pharmaceutical Co., Ltd. (Osaka, Japan)
	D-Sorbitol	0.5%	Fujifilm Wako Pure Chemical Corporation

D-Cellobiose	0.5%	Merck KGaA (Darmstadt, Germany)
D-Trehalose dihydrate	0.5% (as anhydrate)	Merck KGaA
L-Arabinose	0.5%	Merck KGaA
L-Sorbose	0.5%	Nacalai Tesque, Inc.
Adonitol	0.5%	Merck KGaA
D-Maltose monohydrate	0.5% (as anhydrate)	Ishizu Pharmaceutical Co., Ltd.
Salicin	0.5%	Tokyo Chemical Industry Co., Ltd.

*All carbohydrates (as anhydrates) were prepared as 5.0% w/v solutions. After filtration through 0.45 µm membrane, each of the solutions was mixed into the basal medium at capacity ratio 1:9.
