

Supplementary Materials

***In vitro* estimation of oral bioaccessibility of brominated flame retardants in indoor dust by fasted and fed physiologically extraction test**

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Supplementary Table 1. The proportion of macronutrient distribution used in this study^[32]

Food macronutrients	Food representative	Percentage of the daily requirement (%)			The proportion of food component (1.0 g)	
		General (Thai RDIs)	Healthy food	Unhealthy food	Healthy food	Unhealthy food
Carbohydrates	Thai jasmine rice porridge	45-65	58	30	0.58 g	0.30 g
Protein	Whey isolate protein powder	10-15	15	25	0.15 g	0.25 g
Fat (Total)		20-35	27	45	-	-
1) Unsaturated fatty acid	Soybean oil	< 20	18	25	0.18 mL	0.25 mL
2) Saturated fatty acid	Lard	< 10	9	20	0.09 mL	0.20 mL
4. Fiber	Nutrilite chewable fibre blend	20 g/day	20	0	0.2 g	0 g

Supplementary Table 2. Compositions of the four simulated fluids

Chemicals	Stock concentration (mol/L)	Volume of stock (mL)				
		Simulated salivary fluid (SSF)	Simulated gastric fluid (SGF)	Simulated duodenal fluid (SDF)	Simulated bile fluid (SBF)	
Inorganic solution	KCl	1.20	10	9.2	6.30	4.2
	KSCN	0.40	10	-	-	-
	NaH ₂ PO ₄	0.85	10	3	-	-
	Na ₂ SO ₄	0.80	10	-	-	-

	NaCl	3.00	1.7	15.7	40	30
	NaHCO ₃	1.00	-	-	40	68.3
	NH ₄ Cl	0.50	-	10	-	-
	KH ₂ PO ₄	0.06	-	-	10	-
	MgCl ₂ .6H ₂ O	0.11	-	-	10	-
	CaCl ₂ . 2H ₂ O	0.20	-	18	-	-
	NaOH	1.00	1.8	-	-	-
	HCl (37%)	-	-	8.30	0.18	0.2
Organic	NH ₂ CONH ₂	0.40	8	3.4	4	1.04
solution	C ₆ H ₁₂ O ₆	0.36	-	10	-	-
	C ₆ H ₁₀ O ₇	0.01	-	10	-	-
	C ₆ H ₁₃ NO ₅	0.15	-	10	-	-
	Chemicals/ Enzymes	Stock concentration (U/mg)	Mass of stock (mg)	Mass of stock (mg)	Mass of stock (mg)	Mass of stock (mg)
Add to	α -amylase	54.0	72.8	-	-	-
mixture	Mucin	-	25.0	1,500	-	-
of	Uric acid	-	7.5	-	-	-
organic	Bovine	-	-	500	500	900
+	serum					
inorgani	albumin					
c	(BSA)					
solution	Pepsin	532.0	-	500	-	-
	Pancreatin	-	-	-	1,500	-
	Lipase	-	-	-	250.0	-
	Bile	-	-	-	-	3,000
	Calcium chloride	-	-	-	100	111
pH	-	-	6.5 \pm 0.5	1.0 \pm 0.1	7.4 \pm 0.2	8.0 \pm 0.2