Event 1093: Thyroxine (T4) in tissues, decreased
Table of reference methods for evaluating tissue levels of T4

Reference	Species	Tissues	Extraction technique	Analysis technique	Anlyte(s)
Crane et al., 2004	*Pimephales promelas*	whole body	ethanol	RIA	T3, T4
Tietge et al., 2010	*Xenopus laevis*	thyroid gland	proteolytic digestion	HPLC-ICP/MS	MIT, DIT, T3, T4
Tietge et al., 2013	*Xenopus laevis*	thyroid gland	proteolytic digestion	HPLC-ICP/MS	MIT, DIT, T3, T4
Hornung et al., 2015	*Xenopus laevis*	thyroid gland	proteolytic digestion/SPE	UPLC-MS/MS	MIT, DIT, T3, T4, T2, rT3
Gilbert et al., 2013	*Rattus norvegicas*	thyroid gland	proteolytic digestion	HPLC-ICP/MS	MIT, DIT, T3, T4, T2, rT3
Gilbert et al., 2013	*Rattus norvegicas*	thyroid gland	proteolytic digestion/SPE	HPLC-MS/MS	T3, T4
Gilbert et al., 2013	*Rattus norvegicas*	brain	methanol-chloroform	RIA	T4
Lavado-Autric et al., 2012	*Rattus norvegicas*	liver, kidney, lung, heart, muscle, brain, brown adipose	methanol-chloroform	RIA	T3, T4
Bastian et al., 2010, 2012, 2013	*Rattus norvegicas*	brain	methanol-chloroform	RIA	T3
Morreale de Escobar et al., 1985	*Rattus norvegicas*	brain, liver, lung	methanol-chloroform	RIA	T3, T4
Pinna et al., 1999	*Rattus norvegicas*	brain	methanol	RIA	T3, T4
kunisue et al., 2010	*Rattus norvegicas*	thyroid gland	proteolytic digestion	HPLC-MS/MS	T3, T4, rT3, T2, T1
Kunisue et al., 2011	*Rattus norvegicas*	brain	proteolytic digestion/SPE	HPLC-MS/MS	T3, T4, rT3, T2, T1
Ackermans et al., 2012	*Rattus norvegicas*	liver, heart, brain	methanol-chloroform/SPE	UPLC-MS/MS	T3, T4, rT3, T2
Simon et al., 2002	*Danio rerio, Xenopus laevis*	whole body	proteolytic digestion	HPLC-ICP/MS	MIT, DIT, T3, T4, rT3, T2
Donzelli et al., 2016	*Rattus norvegicas*	heart, liver, kidney	acid hydrolysis/SPE	HPLC-MS/MS	T3, T4
Donzelli et al., 2016	Rattus norvegicas	adipose, brain	liquid/liquid	HPLC-MS/MS	T3, T4
Saba et al., 2014	*Homo sapiens, Rattus norvegicas*	heart	acid hydrolysis/SPE	HPLC-MS/MS	T3, T4

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