

Instrument rental rate

Center of Research and Development of Food Industry

(ศูนย์วิจัยและพัฒนาทางอุตสาหกรรมอาหาร คณะอุตสาหกรรมเกษตร สจล.)

Analysis instruments

No	Analysis	Instrument model	Service cost (Baht)	
			per hr.	per day
1	Texture Analysis	TA.XT. Plus	500	3,000
2	Viscosity	Brookfield DVIII Ultra	500	3,000
3	Oil stability index	Rancimat 743	500	3,000
4	Color Analysis	Minolta CR400	500	3,000
5	Color Analysis	Hunterlab	500	3,000
6	Water activity (Aw)	Aqalab 4TE	300	1,800
7	Protein content (Kjehdahl method)	Gerhardt KB8S+VAP 30S	500	3,000
8	Fat content (Soxhlet method)	Gerhardt S306AK	500	3,000
9	Ash content	Carbolite CWF 11/13	350	2,000
10	Absorbance (Optical density, O.D.)	Shimadzu UV1700	300	1,800

Food processing instruments

No	Instrument	Instrument model	Service cost (Baht)	
			per hr.	per day
1	Freeze dryer	ScanVac	500	3,000
2	Vacuum fryer (oil excluded)	RNP international VF005A	500	3,000
3	Tray dryer		300	1,800
4	Hammer mill	WACO	250	1,500
5	Pin mill	Retsch ZM200	300	1,800

No	Instrument	Instrument model	Service cost (Baht)	
			per hr.	per day
6	Sieve shaker	Retsch AS200 Digit	300	1,800
7	Homogenizer	IKA	500	3,000
8	Meat chopper	Local brand (Kittiwattana)	250	1,500
9	Meat mixer	Sirman	300	1,800
10	Sausage filler		300	1,800
11	Meat chopper	Sirman TC12E	300	1,800
12	Retort (ไม่รวมค่าเชื้อเพลิง boiler)		1,000	5,000
13	Ohmic Heating		500	3,000

General instruments

No	Instrument	Instrument model	Service cost (Baht)	
			per hr.	per day
1	Hot air oven	Memmert	300	1,800
2	Incubator	Memmert	300	1,800
3	Refrigerated incubator	Sanyo	300	1,800
4	Incubator shaker	N Biotec	300	1,800
5	Rotary evaporator	Buchi	300	1,800
6	Refrigerated centrifuge	Backman Allegra X-12R	500	3,000
7	Autoclave	Tommy ES315	800	4,500
8	Sensory room		400	2,400

Plus additional instrument assistant fee: 200 baht/ hr. (1,000 baht/ day)