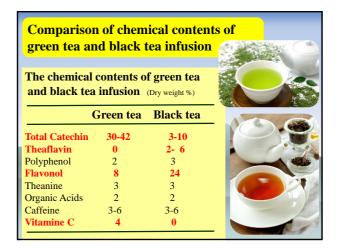
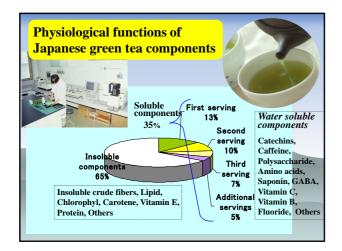


Comparison of chemical contents of green tea and black tea Characteristic constituents of Green tea and Black tea (Dry weight) Green tea Black tea Amino acid (mg/100g) 4023.16 2355.32 Theanine (mg/100g) 875-3030 1461 Glutamic acid(mg/100g) 184-533 130 Chlorophyl(mg/g) 0.435-2.569 1.039 Carotene(mg/g) 0.0196-0.0510 0.017 Theaflavins(%) 0.00-0.33 2.31 Thearubigins(%) 0.00-11.51 14.45 23.37-155.15 EGCG(mg/g) 5.53 Total Catechins(mg/g) 36.62-279.22 17.36





Physiological functions of green tea components		
Green Tea Components	Contents	Functions
Catechins	10~18%	Anti-oxidative, radioprotective, Anti-mutagenic, Anti-tumor, Enzyme inhibitory, Anti-hypercholesterolemic, Anti-hyperglycemic, Fat reducing, Anti-hypertensive, Anti-ulcer, Anti-bacterial etc.
Caffeine	3~4%	Removal of fatigue, Sleepy feeling, Diuretic etc.
Vitamin C	150~250mg%	Removal of stress, Cold prevention
Vitamin B	1.4mg%	Excitometabolic action of carbohydrates and amino acids
Vitamin E	25~70mg%	Anti oxidative, Aging prevention
γ amino butyric acid	0.1~0.2%	Anti hypertensive
Flavonoids	0.6~0.7%	Halitosis prevention
Theanine	0.6~2%	Anti hypertensive

