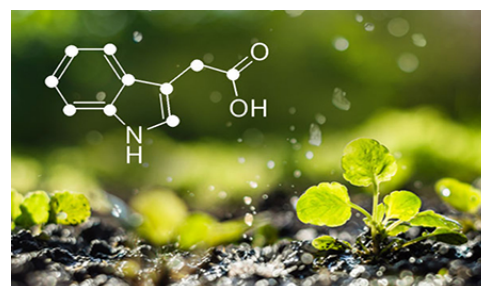


Plant Hormone Analysis for Physiological Studies



Plant hormones are highly dynamic chemical messengers that play essential roles in the regulation of plant physiological processes, including cell growth, organ differentiation, and response to biotic and abiotic stresses. Therefore, analysis and monitoring of plant hormones forms a valuable tool in plant performance improvement and new crop trait development.



Lifasible provides a list of methods that can be applied to the detection of a wide range of hormones in various types of plant tissues.

Featured Service:

Package	Classification	Substance	Method	Sampling	Sample Size
Hormone Family Bucket	Auxin	IAA, ME-IAA, IBA, ICA, ICAId, IPA, IAA-Glc, IAA-Glu, IAN, IAA-Leu-Me, IAA-Leu, IAA-Phe, IAA-Glu-diMe, IAA-Val-Me, IAA-Gly, OxIAA, IAA-Asp, IAA-Val, IAA-Phe -Me, IAA-Trp, IAM, TRA, ILA, IA, IAA-Ala, TRP	HPLC-MS	Fresh samples, quick-frozen in liquid nitrogen, preserved at -80°C, one treatment is repeated three times, one repeat take 3-6 strains, mixed sampling.	≥0.3g
	CK	IP, tZ, cZ, DZ, IPR, tZR, cZR, DHZ7G, DHZR, iP9G, iP7G, cZ9G, BAP, tZOG, 2CltZ, mT, pT9G, pT, mTR, oT, BAPR, K, KR, pTR, oTR, DHZROG, cZROG, mT9G, oT9G, BAP9G, BAP7G, K9G, 2MeSiP, 2MeScZ, 2MeScZR, 2MeSiPR			
	JA	MEJA, JA, H2JA, JA-ILE, OPDA, JA-Phe, JA-Val, OPC-4, OPC-6			
	SA	SA, SAG			
	ABA	ABA, ABA-GE			
	GA	GA1, GA3, GA4, GA7, GA9, GA15, GA19, GA20, GA24, GA53			
	ACC	ACC			
	SL	ST, 5DS			
Gibberellin Family	GA (18)	GA1, GA3, GA4, GA5, GA6, GA7, GA8, GA9, GA15, GA19, GA20, GA24, GA29, GA34, GA51, GA53			0.5g
Brassinosteroid Family	BR	BL, 24-epiBL, 28-norBL, 28-homoBL, CS, 6-deoxoCS, 28-norCS, 28-homoCS, 6-deoxo-24-epiCS, TY, 28-norTE			
Melatonin	Melatonin	Melatonine			

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