

WINLAB PTY LTD

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Email: info@winlab.com.au www.winlab.com.au**GL Science Inertsearch™ for LC Inertsil® Applications****Biochemical****For complete Product Description, Chromatograms****Price & Delivery in Australia & New Zealand contact****info@winlab.com.au or call 61 7 3205 5233**

GL Science Inertsearch™ for LC Inertsil® Applications Biochemical					
Data No Column	Data Title	Solutes	Eluent	Detection	
Data No. F01 ODS-2-027	Inertsil ODS-2 5□□m 150 □~ 4.6ml.D.	Bases of Nucleic acid and Nucleosides	1. Cytosine 2. Uracil 3. Guanine 4. Adenine 5. Cytidine 6. Uridine 7. Thymine 8. Adenosine 9. Guanosine 10. Thymidine	H ₂ O H ₃ PO ₄ NaClO ₄ Isocratic	UV 260 nm
Data No. F02 ODS-2-028	Inertsil ODS-2 5□□m 150 □~ 4.6ml.D.	Nucleotides	1. 5-AMP 2. 5-GMP 3. 5-IMP 4. 3-AMP 5. 2-AMP 6. 5-TMP 7. 35-cAMP 8. 5-ADP 9. 35-cGAP 10. 5-GDP 11. 5-IDP 12. 5-TDP	CH ₃ CN H ₂ O H ₃ PO ₄ K ₂ HPO ₄ (n-C ₄ H ₉) ₄ NBr Gradient	UV 260 nm
Data No. F03 C4-004	Inertsil C4 5□□m 150 □~ 4.6ml.D.	Catechol amine	1. Vanilmandelic acid(VMA) 2. 34-Dihydroxy phenyl acetic acid 3. Homovanillic acid(HVA) 4. L-DOPA 5. L-Noradrenaline 6. L-Adrenaline 7. Dopamine Hydrochloride	CH ₃ CN H ₂ O H ₃ PO ₄ NaH ₂ PO ₄ C ₁₂ H ₂₅ - OSO ₃ Na Gradient	UV 280 nm
Data No. F04 C4-005	Inertsil C4 5□□m 250 □~ 4.6 ml.D.	Catechins	1. Gallic acid 2. (-)-Epigallocatechin 3. (-)-Epicatechin 4. (-)-Epigallocatechin gallate 5. Homocatechol 6. (-)-Epicatechin gallate	CH ₃ CN H ₂ O H ₃ PO ₄ Ethyl acetate Isocratic	UV 280 nm
Data No. F05 ODS-2-029	Inertsil ODS-2 5□□m 10 □~ 4.0 (guard)+250 □~ 4.6 ml.D.	Catechins in Oolong tea	1. Gallic acid 2. (-)-Epigallocatechin 3. (-)-Epicatechin 4. (-)-Epigallocatechin gallate 5. Homocatechol 6. (-)-Epicatechin gallate	CH ₃ CN H ₂ O H ₃ PO ₄ Ethyl acetate Isocratic	UV 280 nm
Data No. F06 ODS-2-030	Inertsil ODS-2 5□□m 10 □~ 4.0(guard)+250 □~ 4.6 ml.D.	Catechins in Green tea	1. Gallic acid 2. (-)-Epigallocatechin 3. (-)-Epicatechin 4. (-)-Epigallocatechin gallate 5. Homocatechol 6. (-)-Epicatechin gallate	CH ₃ CN H ₂ O H ₃ PO ₄ Ethyl acetate Isocratic	UV 280 nm

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Data No. F07 ODS-2-031	Inertsil ODS-2 5□□m 10 □~ 4.0(guard)+250 □~ 4.6 ml.D.	Catechins	1. Gallic acid 2. (-)-Epigallocatechin 3. (-)-Epicatechin 4. (-)-Epigallocatechin gallate 5. Homocatechol 6. (-)-Epicatechin gallate	CH ₃ CN H ₂ O H ₃ PO ₄ Ethyl acetate Isocratic	UV 280 nm
Data No. F08 ODS-004	Inertsil ODS 5□□m 250 □~ 4.6 ml.D.	Estrogens	1. Estriol 4mg/mL 2. Estradiol 4mg/mL 3. Estrone 2mg/mL	CH ₃ CN H ₂ O CH ₂ CICOOH NH ₄ OH Isocratic	UV 254 nm
Data No. F09 ODS-2-032	Inertsil ODS-2 5□□m 150 □~ 4.6ml.D.	Hippuric acids	1. Mandelic acid 2. Hippuric acid 3. o-Methyl hippuric acid 4. p-Methyl hippuric acid 5. m-Methyl hippuric acid each 10□□g	CH ₃ CN H ₂ O KH ₂ PO ₄ CH ₃ COOH □□- Cyclodextrin Isocratic	UV 227 nm
Data No. F10 C8-007	Inertsil C8 5□□m 250 □~ 4.6 ml.D.	Hippuric acid in Urine	1. Left Chromatogram Urine 2. Right Chromatogram Hippuric acid	CH ₃ CN H ₂ O H ₃ PO ₄ C ₅ H ₁₁ -SO ₃ Na Isocratic	UV 254 nm
Data No. F11 C4-006	Inertsil C4 5□□m 150 □~ 4.6ml.D.	Catechol amine	1. Vanilmandelic acid(VMA) 2. 34-Dihydroxy phenyl acetic acid 3. Homovanillic acid(HVA) 4. L-DOPA 5. L-Noradrenaline 6. L-Adrenaline 7. Dopamine Hydrochloride	CH ₃ CN H ₂ O H ₃ PO ₄ NaH ₂ PO ₄ C ₁₂ H ₂₅ - OSO ₃ Na Isocratic	UV 280 nm
Data No. F12 AV-1-005	Bioptic AV-1 5□□m 150 □~ 4.6ml.D.	Components of Cold-drugs in Plasma	1. Acetoaminophen Ca.0.3□□g 2. Caffeine Ca.0.08□□g 3. Ethenzamide Ca.0.4□□g	CH ₃ CN H ₂ O H ₃ PO ₄ Isocratic	UV 220 nm
Data No. F13 ODS-2-033	Inertsil ODS-2 5□□m 150 □~ 0.7 ml.D.	Nucleotides	1. GTP 2. GDP 3. GMP 4. ATP 5. ADP 6. AMP	H ₂ O H ₃ PO ₄ Na ₂ HPO ₄ Isocratic	UV 260 nm
Data No. F14 ODS-2-034	Inertsil ODS-2 5□□m 150 □~ 4.6ml.D.	Metabolites of Organic solventes	1. Mandelic acid 2. Hippuric acid 3. o-Methyl hippuric acid 4. p-Methyl hippuric acid 5. m-Methyl hippuric acid	CH ₃ CN H ₂ O KH ₂ PO ₄ CH ₃ COOH □□- Cyclodextrin Isocratic	UV 227 nm
Data No. F15 AV-2-006	Bioptic AV-2 150 □~ 4.6ml.D.	Uric acid	1. 9-methyluric acid 2. 3-methyluric acid 3. 1-methyluric acid	H ₂ O KH ₂ PO ₄ K ₂ HPO ₄ Isocratic	UV 210 nm

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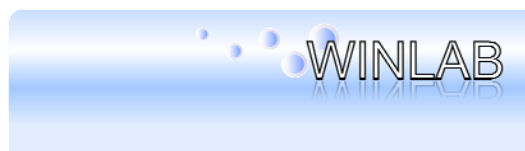

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Data No Column	Data Title	Solutes	Eluent	Detection	
Data No. F16 ODS-3-031	Inertsil ODS-3V 150 □~ 1.5ml.D.	Tryptophan	1. Noradrenaline(167nmol/L) 2. Adrenaline(167nmol/L) 3. 34-Dihydroxybenzylamine Hydrobromide(DHBA)(167nmol/L) 4. 34-Dihydroxy phenyl acetic acid (167nmol/L) 5. Dopamine(167nmol/L)	CH ₃ OH H ₂ O H ₃ PO ₄ Citric acid EDTA C ₁₂ H ₂₅ -OSO ₃ Na Isocratic	ECD 600 mV
Data No. F17 ODS-3-032	Inertsil ODS-3 5□□m 150 □~ 1.5ml.D.	Analysis of Catechol amines	1. 34-Dihydroxymandelic acid(DOMA)(100ng/mL) 2. 34-Dihydroxyphenylglycol(DHPG)(100ng/mL) 3. Vanilmandelic acid(VMA)(100ng/mL) 4. Norepinephrine(NE)(100ng/mL) 5. 3-Methoxy-4-hydroxyphenylglycol(MHPG)(100ng/mL) 6. 34-Dihydroxybenzylamine Hydrobromide(DHBA)(100ng/mL) 7. Normetanephrine(NM)(100ng/mL)	H ₂ O H ₃ PO ₄ Citric acid EDTA C ₈ H ₁₇ -OSO ₃ Na Isocratic	ECD W1 700 mV W2 0 mV
Data No. F18 ODS-3-033	Inertsil ODS-3 5□□m 150 □~ 1.5ml.D.	Analysis of Tryptophan	1. Tryptophan(TRP)(10□□g/mL) 2. Kynurenine(KYN)(10□□g/mL) 3. 5-Hydroxytryptophan(5HTP)(1□□g/mL) 4. 5-Hydroxytryptamine(Serotonin)(5HT)(1□□g/mL) 5. 5-Hydroxyindoleacetic acid(5HIAA)(1□□g/mL) 6. 34-Dihydroxybenzylamine Hydrobromide(DHBA)(1□□g/mL)	CH ₃ OH H ₂ O H ₃ PO ₄ Citric acid EDTA C ₈ H ₁₇ -OSO ₃ Na Isocratic	ECD 850 mV
Data No. F19 ODS-3-034	Inertsil ODS-3 5□□m 150 □~ 1.5ml.D.	Analysis of Catecholamines	1. 34-Dihydroxymandelic acid(DOMA) 2. 34-Dihydroxyphenylglycol(DHPG) 3. Norepinephrine(NE) 4. Vanilmandelic acid(VMA) 5. 3-Methoxy-4-hydroxyphenylglycol(MHPG) 6. 34-Dihydroxybenzylamine Hydrobromide(DHBA) 7. Normetanephrine(NM) 8. 34-Dihydroxy phenyl acetic acid(DOPAC) 9. Dopamine(DA) 10. 5-Hydroxyindoleacetic acid(5HIAA) 11. Vanillactic acid(VLA) 12. Homovanillic acid(HVA) 13. 5-Hydroxytryptamine(Serotonin)(5HT)(1□□g/mL each)	CH ₃ OH H ₂ O H ₃ PO ₄ Citric acid EDTA C ₈ H ₁₇ -OSO ₃ Na Gradient	ECD 600 mV
Data No. F20 ODS-3V-063	Inertsil ODS-3V 5□□m 150 □~ 4.6ml.D.	Analysis of Bases of Nucleic and Nucleotides	1 Cytosine 2.447 1.54968e+06 2 Uracil 3.053 1.53335e+06 3 Guanine 3.907 1.05217e+06 4 Adenine 4.410 2.1586e+06 5 Cytidine 4.907 635480 6 Uridine 5.433 875465 7 Thymine 7.457 1.57373e+06 8 Adenosine 10.187 1.19926e+06 9 Guanosine 11.457 953770 10 Thymidine 21.580 525239	H ₂ O KH ₂ PO ₄ NaClO ₄ Isocratic	UV 260 nm

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Data No. F21 ODS-3V-064	Inertsil ODS-3V 5µm 150 µ~ 4.6mmI.D.	Analysis of Nucleotides	1. 5-AMP 2. 5-GMP 3. 5-IMP 4. 5-TMP 5. 3-AMP 6. 2-AMP 7. 5-ADP 8. 35-cAMP 9. 35-cGMP 10. 5-GDP 11. 5-IDP 12. 5-TDP	CH ₃ CN H ₂ O H ₃ PO ₄ KH ₂ PO ₄ (n-C ₄ H ₉) ₄ NBr Gradient	UV 260 nm
Data No. F22 ODS-3V-065	Inertsil ODS-3 5µm 150 µ~ 4.6mmI.D.	Analysis of Biotin	µ@	CH ₃ CN H ₂ O H ₃ PO ₄ KH ₂ PO ₄ Isocratic	UV 210 nm ECD 1000 mV
Data No. F23 ODS-3-035	Inertsil ODS-3 5µm 150 µ~ 4.6mmI.D.	Analysis of VMA5-HIAA and HVA	1. Vanilmandelic acid (VMA) 2. 26.468 5-HIAA 1.12133e+10 3. 39.443 Homovanillic acid(HVA) 1.08954e+10	CH ₃ OH H ₂ O H ₃ PO ₄ Citric acid EDTA C ₈ H ₁₇ -SO ₃ Na KOH Isocratic	ECD 700 mV
Data No. F24 CN-3-007	Inertsil CN-3 5µm 150 µ~ 4.6mmI.D.	Analysis of VMA5-HIAA and HVA	1. 4.776 VMA 1.51742e+09 2. 10.260 5-HIAA 3.07721e+09 3. 19.183 Homovanillic acid(HVA) 4.77859e+09	CH ₃ CN H ₂ O H ₃ PO ₄ KH ₂ PO ₄ Isocratic	ECD 700 mV
Data No. F25 ODS-3V-066	Inertsil ODS-3V 5µm 150 µ~ 4.6mmI.D.	Analysis of Catechins	1. caffeine 2.762 344176 2. catechin 8.027 98030 3. epicatechin 8.922 93093 4. EGCG 22.224 37499 5. rutin 25.313 113816	CH ₃ CN THF H ₂ O H ₃ PO ₄ KH ₂ PO ₄ Isocratic	UV 280 nm
Data No. F26 ODS-3V-067	Inertsil ODS-3V 5µm 150 µ~ 4.6mmI.D.	Analysis of Catechins	1. catechin 6.879 71373 2. caffeine 7.485 228181 3. epicatechin 11.535 66637 4. EGCG 12.393 44145	CH ₃ CN CH ₃ OH H ₂ O H ₃ PO ₄ KH ₂ PO ₄ Isocratic	UV 280 nm
Data No. F27 CN-3-008	Inertsil CN-3 5µm 150 µ~ 4.6mmI.D.	Analysis of µµ-Oryzanol	1. gamma-oryzanol 4.753 39553 2. vanillin 12.560 56518	Hexane 2-Propanol CH ₃ COOH Isocratic	UV 320 nm
Data No. F28 ODS-3V-068	Inertsil ODS-3V 5µm 150 µ~ 4.6mmI.D.	Analysis of Adrenocortical hormones	1. Prednisone 6.827 547195 2. Cortisone 7.267 411313 3. Prednisolone 8.617 637167 4. Corticosterone 12.913 707101	CH ₃ OH H ₂ O Isocratic	UV 254 nm
Data No. F29 CN-3-009	Inertsil CN-3 5µm 250µ~4.6mmI.D.	Analysis of Adrenocortical hormones	1. Prednisone 6.430239217 2. Prednisolone 6.840 114030 3. Corticosterone 7.877 128276 4. Progesterone 17.447 210200	THF H ₂ O Isocratic	UV 254 nm

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Data No. F30 CN-3-010	Inertsil CN-3 5□□m 150 □~ 4.6mmI.D.	Analysis of Adrenocortical hormones	1. Progesterone 3.127 323131 2. Corticosterone 8.550 248246 3. Prednisone 11.933 633300 4. Prednisolone 13.660 296023	Hexane Ethanol Isocratic	UV 254 nm
Data No. F31 CN-3-011	Inertsil CN-3 5□□m 250□~4.6mmI.D.	Analysis of Estrogens	1. Estriol 5.957 799655 2. Estradiol 11.827 876105 3. Estrone 12.647 736611 4. Ethynylestradiol 15.527 807169 5. Hexestrol 28.983 979656 6. Diethylstilbestrol 30.433 829107	CH ₃ CN H ₂ O Isocratic	UV 220 nm
Data No. F32 CN-3-012	Inertsil CN-3 5□□m 250□~4.6mmI.D.	Analysis of Estrogens	1. Estrone 9.343 528435 2. Estradiol 11.417 1.01414e+06 3. Ethynylestradiol 13.387 930519 4. Diethylstilbestrol 14.290 1.09679e+06 5. Estriol 21.427 903730	Hexane Ethanol Isocratic	UV 220 nm
Data No. F33 ODS-3V-069	Inertsil ODS-3V 5□□m 150 □~ 4.6mmI.D.	Analysis of Estrogens	1. Estriol 2.050 1.08302e+06 2. Estradiol 5.327 1.10134e+06 3. Ethynylestradiol 6.667 1.03248e+06 4. Estrone 7.390 921067 5. Diethylstilbestrol 8.707 1.03522e+06 6. Hexestrol 9.360 1.27613e+06	CH ₃ CN H ₂ O Isocratic	UV 220 nm
Data No. F34 SIL 100-5-001 (SIL-100A- 004?)	Inertsil SIL 100-5 5□□m 150 □~ 4.6mmI.D.	Analysis of □□- Oryzanol	1. □□-oryzanol 2. vanillin	Hexane 2-Propanol CH ₃ COOH Isocratic	UV 320 nm
Data No. F35 ODS-3V-070	Inertsil ODS-3V 5□□m 150 □~ 4.6mmI.D.	Analysis of □□- Oryzanol	1. vanillin 2. □□-oryzanol-1 3. □□-oryzanol-2	Hexane 2-Propanol H ₂ O Isocratic	UV 320 nm
Data No. F36 C8-3-010	Inertsil C8-3 5□□m 150 □~ 4.6mmI.D.	Analysis of □□- Oryzanol	1. vanillin (50ug/mL) 2. □□-oryzanol (mixture 100ug/mL)	CH ₃ OH H ₂ O Isocratic	UV 320 nm
Data No. F37 Diol-015	Inertsil Diol 5 □□m 250 x 4.6 mm I.D.	Analysis of Nucleic Acid Bases	1. Tymine 2. Uracil 3. Uridine 4. Adenosine 5. Cytosine 6. Cytidine 7. Guanosine	A) CH ₃ CN B) H ₂ O A/B = 85/15 w/w	UV 254 nm
Data No. F38 Diol-003	Inertsil Diol 5 □□m 150 x 4.6 mm I.D.	Analysis of Steroid Hormones	1. Progesterone 2. Corticosterone 3. Cortisone 4. Prednisone 5. Prednisolone	A) n-Hexane B) Ethanol A/B = 85/15 w/w	UV 254 nm
Data No. F39 SIL-100A-006	Inertsil SIL-100A 5 □□m 150 x 4.6 mm I.D.	Analysis of Steroid Hormones	1. Progesterone 2. Corticosterone 3. Cortisone 4. Prednisone 5. Prednisolone	A) n-Hexane B) Ethanol A/B = 85/15 w/w	UV 254 nm
Data No. F40 CN-3-024	Inertsil CN-3 5 □□m 150 x 4.6 mm I.D.	Analysis of Steroid Hormones	1. Progesterone 2. Corticosterone 3. Prednisone 4. Prednisolone	A) n-Hexane B) Ethanol A/B = 90/10 v/v	UV 254 nm

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Eluent

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