

## **References for Products 22030 to 22103**

1. Heinrich L, Freyria AM, Melin M, Tourneur Y, Maksoud R, Bernengo JC, Hartmann DJ. (2006) Confocal laser scanning microscopy using dialkylcarbocyanine dyes for cell tracing in hard and soft biomaterials. *J Biomed Mater Res B Appl Biomater*.
2. Higashide T, Kawaguchi I, Ohkubo S, Takeda H, Sugiyama K. (2006) In vivo imaging and counting of rat retinal ganglion cells using a scanning laser ophthalmoscope. *Invest Ophthalmol Vis Sci*, 47, 2943.
3. Kalchenko V, Shvitiel S, Malina V, Lapid K, Haramati S, Lapidot T, Brill A, Harmelin A. (2006) Use of lipophilic near-infrared dye in whole-body optical imaging of hematopoietic cell homing. *J Biomed Opt*, 11, 050507.
4. Wang G, Anrather J, Glass MJ, Tarsitano MJ, Zhou P, Frys KA, Pickel VM, Iadecola C. (2006) Nox2, Ca<sup>2+</sup>, and protein kinase C play a role in angiotensin II-induced free radical production in nucleus tractus solitarius. *Hypertension*, 48, 482.
5. Wertz A, Rossler W, Obermayer M, Bickmeyer U. (2006) Functional neuroanatomy of the rhinophore of *Aplysia punctata*. *Front Zool*, 3, 6.
6. Harrison TA, Perry KM, Hoover DB. (2005) Regional cardiac ganglia projections in the guinea pig heart studied by postmortem Dil tracing. *Anat Rec A Discov Mol Cell Evol Biol*, 285, 758.
7. Huesa G, Anadon R, Yanez J. (2003) Afferent and efferent connections of the cerebellum of the chondrosteian *Acipenser baeri*: a carbocyanine dye (Dil) tracing study. *J Comp Neurol*, 460, 327.
8. Kiyohara Y, Endo K, Ide C, Mizoguchi A. (2003) A novel morphological technique to investigate a single climbing fibre synaptogenesis with a Purkinje cell in the developing mouse cerebellum: Dil injection into the inferior cerebellar peduncle. *J Electron Microsc* (Tokyo), 52, 327.
9. Levai O, Strotmann J. (2003) Projection pattern of nerve fibers from the septal organ: Dil-tracing studies with transgenic OMP mice. *Histochem Cell Biol*, 120, 483.
10. Pavlidis M, Stupp T, Naskar R, Cengiz C, Thanos S. (2003) Retinal ganglion cells resistant to advanced glaucoma: a postmortem study of human retinas with the carbocyanine dye Dil. *Invest Ophthalmol Vis Sci*, 44, 5196.
11. Zec N, Kinney HC. (2003) Anatomic relationships of the human nucleus of the solitary tract in the medulla oblongata: a Dil labeling study. *Auton Neurosci*, 105, 131.
12. Choi D, Li D, Raisman G. (2002) Fluorescent retrograde neuronal tracers that label the rat facial nucleus: a comparison of Fast Blue, Fluoro-ruby, Fluoro-emerald, Fluoro-Gold and Dil. *J Neurosci Methods*, 117, 167.
13. Doyle MW, Bailey TW, Jin YH, Andresen MC. (2002) Vanilloid receptors presynaptically modulate cranial visceral afferent synaptic transmission in nucleus tractus solitarius. *J Neurosci*, 22, 8222.
14. Qu J, Zhou X, Zhang L, Ni H, Ashwell K, Lu F. (2002) [A preliminary study on development of human visual system in fetus by Dil-tracing]. *Zhonghua Yan Ke Za Zhi*, 38, 517.
15. Timmers M, Vermijlen D, Vekemans K, De Zanger R, Wisse E, Braet F. (2002) Tracing DiO-labelled tumour cells in liver sections by confocal laser scanning microscopy. *J Microsc*, 208, 65.
16. Yan J, Tian R, Horiguchi M. (2002) Distribution of sensory neurons of ventral and dorsal cervical cutaneous nerves in dorsal root ganglia of adult rat--a double-label study using DiO and Dil. *Okajimas Folia Anat Jpn*, 79, 129.
17. Yan J, Tian R, Horiguchi M. (2002) Distribution of sensory neurons of ventral and dorsal cervical cutaneous nerves in dorsal root ganglia of adult rat--a double-label study using DiO and Dil. *Okajimas Folia Anat Jpn*, 79, 129.
18. Makarenko IG, Ugrumov MV, Calas A. (2001) Axonal projections from the hypothalamus to the median eminence in rats during ontogenesis: Dil tracing study. *Anat Embryol (Berl)*, 204, 239.

19. Maklad A, Quinn T, Fritsch B. (2001) Intracranial distribution of the sympathetic system in mice: Dil tracing and immunocytochemical labeling. *Anat Rec*, 263, 99.
20. Mandado M, Molist P, Anadon R, Yanez J. (2001) A Dil-tracing study of the neural connections of the pineal organ in two elasmobranchs (*Scyliorhinus canicula* and *Raja montagui*) suggests a pineal projection to the midbrain GnRH-immunoreactive nucleus. *Cell Tissue Res*, 303, 391.
21. Ohtori S, Takahashi K, Yamagata M, Sameda H, Moriya H, Chiba T, Takahashi Y. (2001) Neurones in the dorsal root ganglia of T13, L1 and L2 innervate the dorsal portion of lower lumbar discs in rats. A study using dil, an anterograde neurotracer. *J Bone Joint Surg Br*, 83, 1191.
22. Omar AI, Senatorov VV, Hu B. (2001) Sodium-potassium adenosine triphosphatase inhibition enhances membrane accumulation of Dil in rat hippocampus in vivo. *Neuroscience*, 102, 353.
23. Salazar I, Brennan PA. (2001) Retrograde labelling of mitral/tufted cells in the mouse accessory olfactory bulb following local injections of the lipophilic tracer Dil into the vomeronasal amygdala. *Brain Res*, 896, 198.
24. Tardif E, Clarke S. (2001) Intrinsic connectivity of human auditory areas: a tracing study with Dil. *Eur J Neurosci*, 13, 1045.
25. Zec N, Kinney HC. (2001) Anatomic relationships of the human nucleus paragigantocellularis lateralis: a Dil labeling study. *Auton Neurosci*, 89, 110.
26. Aigner M, Robert Lukas J, Denk M, Ziya-Ghazvini F, Kaider A, Mayr R. (2000) Somatotopic organization of primary afferent perikarya of the guinea-pig extraocular muscles in the trigeminal ganglion: a post-mortem Dil-tracing study. *Exp Eye Res*, 70, 411.
27. Hevner RF. (2000) Development of connections in the human visual system during fetal mid-gestation: a Dil-tracing study. *J Neuropathol Exp Neurol*, 59, 385.
28. Vogalis F, Hillsley K, Smith T. (2000) Recording ionic events from cultured, Dil-labelled myenteric neurons in the guinea-pig proximal colon. *J Neurosci Methods*, 96, 25.
29. Corbett EK, Batten TF, Kaye JC, Deuchars J, McWilliam PN. (1999) Labelling of rat vagal preganglionic neurones by carbocyanine dye Dil applied to the heart. *Neuroreport*, 10, 1177.
30. Hofmann MH, Bleckmann H. (1999) Effect of temperature and calcium on transneuronal diffusion of Dil in fixed brain preparations. *J Neurosci Methods*, 88, 27.
31. Brudzynski SM, Kadishevitz L, Fu XW. (1998) Mesolimbic component of the ascending cholinergic pathways: electrophysiological-pharmacological study. *J Neurophysiol*, 79, 1675.
32. Krassioukov AV, Bygrave MA, Puckett WR, Bunge RP, Rogers KA. (1998) Human sympathetic preganglionic neurons and motoneurons retrogradely labelled with Dil. *J Auton Nerv Syst*, 70, 123.
33. Neuhuber WL, Kressel M, Stark A, Berthoud HR. (1998) Vagal efferent and afferent innervation of the rat esophagus as demonstrated by anterograde Dil and DiA tracing: focus on myenteric ganglia. *J Auton Nerv Syst*, 70, 92.
34. Rink E, Wullmann MF. (1998) Some forebrain connections of the gustatory system in the goldfish *Carassius auratus* visualized by separate Dil application to the hypothalamic inferior lobe and the torus lateralis. *J Comp Neurol*, 394, 152.
35. Van Lommel A, Lauweryns JM, Berthoud HR. (1998) Pulmonary neuroepithelial bodies are innervated by vagal afferent nerves: an investigation with in vivo anterograde Dil tracing and confocal microscopy. *Anat Embryol (Berl)*, 197, 325.
36. Widmer CG, Morris-Wiman JA, Calhoun JC. (1998) Development of trigeminal mesencephalic and motor nuclei in relation to masseter muscle innervation in mice. *Brain Res Dev Brain Res*, 108, 1.
37. Blank H, Muller B, Korf H. (1997) Comparative investigations of the neuronal apparatus in the pineal organ and retina of the rainbow trout: immunocytochemical demonstration of neurofilament 200-kDa and neuropeptide Y, and tracing with Dil. *Cell Tissue Res*, 288, 417.

38. Chelvanayagam DK, Beazley LD. (1997) Toluidine blue-O is a Nissl bright-field counterstain for lipophilic fluorescent tracers Di-ASP, Dil and DiO. *J Neurosci Methods*, 72, 49.
39. Chelvanayagam DK, Beazley LD. (1997) Toluidine blue-O is a Nissl bright-field counterstain for lipophilic fluorescent tracers Di-ASP, Dil and DiO. *J Neurosci Methods*, 72, 49.
40. Clyne JD, Hume RI. (1997) Inexpensive method for viewing fluorescent Dil-labeled cells with a dissecting microscope. *Biotechniques*, 23, 1018.
41. FitzGibbon T. (1997) The human fetal retinal nerve fiber layer and optic nerve head: a Dil and DiA tracing study. *Vis Neurosci*, 14, 433.
42. Hilbig H, Meier M, Winkelmann E. (1997) Corpus callosum axons in the developing visual cortex of the gerbil revealed by Dil and Fluorogold. *J Hirnforsch*, 38, 119.
43. Hiscox S, Jiang WG. (1997) Quantification of tumour cell-endothelial cell attachment by 1,1'-dioctadecyl-3,3',3'-tetramethylindocarbocyanine (Dil). *Cancer Lett*, 112, 209.
44. Markus PM, Koenig S, Krause P, Becker H. (1997) Selective intraportal transplantation of Dil-marked isolated rat hepatocytes. *Cell Transplant*, 6, 455.
45. Zec N, Filiano JJ, Kinney HC. (1997) Anatomic relationships of the human arcuate nucleus of the medulla: a Dil-labeling study. *J Neuropathol Exp Neurol*, 56, 509.
46. Andrade W, Seabrook TJ, Johnston MG, Hay JB. (1996) The use of the lipophilic fluorochrome CM-Dil for tracking the migration of lymphocytes. *J Immunol Methods*, 194, 181.
47. Friedland DR, Eden AR, Laitman JT. (1996) Use of the novel carbocyanine tracer fast-Dil for investigating upper respiratory tract cranial nerves in prenatal rats. *Lab Anim Sci*, 46, 220.
48. Melikyan GB, Deriy BN, Ok DC, Cohen FS. (1996) Voltage-dependent translocation of R18 and Dil across lipid bilayers leads to fluorescence changes. *Biophys J*, 71, 2680.
49. Potter SM, Pine J, Fraser SE. (1996) Neural transplant staining with Dil and vital imaging by 2-photon laser-scanning microscopy. *Scanning Microsc Suppl*, 10, 189.
50. Sohal GS, Bockman DE, Ali MM, Tsai NT. (1996) Dil labeling and homeobox gene islet-1 expression reveal the contribution of ventral neural tube cells to the formation of the avian trigeminal ganglion. *Int J Dev Neurosci*, 14, 419.
51. Villani L, Zironi I, Guarnieri T. (1996) Telencephalo-habenulo-interpeduncular connections in the goldfish: a Dil study. *Brain Behav Evol*, 48, 205.
52. Yanez J, Anadon R. (1996) Afferent and efferent connections of the habenula in the rainbow trout (*Oncorhynchus mykiss*): an indocarbocyanine dye (Dil) study. *J Comp Neurol*, 372, 529.
53. Austin HB. (1995) Dil analysis of cell migration during mullerian duct regression. *Dev Biol*, 169, 29.
54. Berthoud HR, Kressel M, Neuhuber WL. (1995) Vagal afferent innervation of rat abdominal paraganglia as revealed by anterograde Dil-tracing and confocal microscopy. *Acta Anat (Basel)*, 152, 127.
55. Calarco CA, Robertson RT. (1995) Development of basal forebrain projections to visual cortex: Dil studies in rat. *J Comp Neurol*, 354, 608.
56. Friedland DR, Eden AR, Laitman JT. (1995) Naturally occurring motoneuron cell death in rat upper respiratory tract motor nuclei: a histological, fast Dil and immunocytochemical study in the hypoglossal nucleus. *J Neurobiol*, 27, 520.
57. Friedland DR, Eden AR, Laitman JT. (1995) Naturally occurring motoneuron cell death in rat upper respiratory tract motor nuclei: a histological, fast Dil and immunocytochemical study of the nucleus ambiguus. *J Neurobiol*, 26, 563.
58. Arosio E, Albani AP, Campanati L, Grizzi F, Gatti S, Orsenigo R, Fassati LR, Gridelli B. (1994) Photoconversion to identify Dil-marked cells after hepatocellular transplantation. *Transplant Proc*, 26, 3387.
59. Artero C, Fasolo A, Franzoni MF. (1994) Multiple sources of the pituitary pars intermedia innervation in amphibians: a Dil retrograde tract-tracing study. *Neurosci Lett*, 169, 163.

60. Balthazart J, Dupiereux V, Aste N, Viglietti-Panzica C, Barrese M, Panzica GC. (1994) Afferent and efferent connections of the sexually dimorphic medial preoptic nucleus of the male quail revealed by in vitro transport of Dil. *Cell Tissue Res*, 276, 455.
61. Magoul R, Ciofi P, Tramu G. (1994) Visualization of an efferent projection route of the hypothalamic rat arcuate nucleus through the stria terminalis after labeling with carbocyanine dye (Dil) or proopiomelanocortin-immunohistochemistry. *Neurosci Lett*, 172, 134.
62. Super H, Soriano E. (1994) The organization of the embryonic and early postnatal murine hippocampus. II. Development of entorhinal, commissural, and septal connections studied with the lipophilic tracer Dil. *J Comp Neurol*, 344, 101.
63. Wang ZR, Meyer RL. (1994) [The refinement of retinotectal projection on tectal whole mount during the regeneration of the goldfish optic nerve labeled with Dil anterogradely]. *Shi Yan Sheng Wu Xue Bao*, 27, 143.
64. Yen CF, Kalunta CI, Chen FS, Kaptein JS, Lin CK, Lad PM. (1994) Flow cytometric evaluation of LDL receptors using Dil-LDL uptake and its application to B and T lymphocytic cell lines. *J Immunol Methods*, 177, 55.
65. Arluisson M, Derer P. (1993) Forebrain connections of the rat paraventricular thalamic nucleus as demonstrated using the carbocyanide dye Dil. *Neurobiology (Bp)*, 1, 337.
66. Baker GE, Reese BE. (1993) Using confocal laser scanning microscopy to investigate the organization and development of neuronal projections labeled with Dil. *Methods Cell Biol*, 38, 325.
67. Elberger AJ. (1993) Distribution of transitory corpus callosum axons projecting to developing cat visual cortex revealed by Dil. *J Comp Neurol*, 333, 326.
68. Kageyama GH, Robertson RT. (1993) Transcellular retrograde labeling of radial glial cells with WGA-HRP and Dil in neonatal rat and hamster. *Glia*, 9, 70.
69. Nagai T. (1993) Fluorescent dye (Dil) reveals the sensory cells in the lingual epithelium: a confocal laser scanning microscopic study. *Jpn J Physiol*, 43 Suppl 1, S179.
70. Papadopoulos GC, Dori I. (1993) Dil labeling combined with conventional immunocytochemical techniques for correlated light and electron microscopic studies. *J Neurosci Methods*, 46, 251.
71. Stephan ZF, Yurachek EC. (1993) Rapid fluorometric assay of LDL receptor activity by Dil-labeled LDL. *J Lipid Res*, 34, 325.
72. Wadhwa S, Jotwani G, Bijlani V. (1993) Human retinal ganglion cell development in early prenatal period using carbocyanine dye Dil. *Neurosci Lett*, 157, 175.
73. Wilm C, Fritzsche B. (1993) Ipsilateral retinopetal projection of the nucleus olfactoretinalis (NOR) during development and regeneration: a Dil study in a cichlid fish. *J Neurobiol*, 24, 70.
74. Gansmuller A, Kruger F, Gumpel M, Baron-Van Evercooren A. (1992) Photoconverted carbocyanine Dil allows direct visualization of transplanted glial cells at the ultrastructural level. *Neurosci Lett*, 147, 151.
75. Hayaran A, Bijlani V. (1992) Polyacrylamide as an infiltrating and embedding medium for vibratome sectioning of human fetal cerebellum containing Dil-filled axons. *J Neurosci Methods*, 42, 65.
76. Holmqvist BI, Ostholm T, Ekstrom P. (1992) Dil tracing in combination with immunocytochemistry for analysis of connectivities and chemoarchitectonics of specific neural systems in a teleost, the Atlantic salmon. *J Neurosci Methods*, 42, 45.
77. Ledley FD, Soriano HE, O'Malley BW, Jr., Lewis D, Darlington GJ, Finegold M. (1992) Dil as a marker for cellular transplantation into solid organs. *Biotechniques*, 13, 580.
78. Soriano HE, Lewis D, Legner M, Brandt M, Baley P, Darlington G, Finegold M, Ledley FD. (1992) The use of Dil-marked hepatocytes to demonstrate orthotopic, intrahepatic engraftment following hepatocellular transplantation. *Transplantation*, 54, 717.
79. Collinge C, Schweitzer L. (1991) Details of the central projections of the cochlear nerve in the hamster revealed by the fluorescent tracer Dil. *Hear Res*, 53, 159.
80. Crawford JM, Braunwald NS. (1991) Toxicity in vital fluorescence microscopy: effect of dimethylsulfoxide, rhodamine-123, and Dil-low density lipoprotein on fibroblast growth in vitro. *In Vitro Cell Dev Biol*, 27A, 633.

81. Friedman DI, Johnson JK, Chorsky RL, Stopa EG. (1991) Labeling of human retinohypothalamic tract with the carbocyanine dye, Dil. *Brain Res*, 560, 297.
82. Heredia M, Santacana M, Valverde F. (1991) A method using Dil to study the connectivity of cortical transplants. *J Neurosci Methods*, 36, 17.
83. Nagai T, Oka Y. (1991) The glossopharyngeal nerve of the axolotl labeled with carbocyanine dye (dil). *Neurosci Lett*, 131, 125.
84. St John PA. (1991) Toxicity of "Dil" for embryonic rat motoneurons and sensory neurons in vitro. *Life Sci*, 49, 2013.
85. Thanos S, Rohrbach JM, Thiel HJ. (1991) Postmortem preservation of ganglion cells in the human retina. A morphometric investigation with the carbocyanine dye Dil. *Retina*, 11, 318.
86. Wullimann MF, Meyer DL, Northcutt RG. (1991) The visually related posterior pretectal nucleus in the non-percomorph teleost *Osteoglossum bicirrhosum* projects to the hypothalamus: a Dil study. *J Comp Neurol*, 312, 415.
87. Elberger AJ, Honig MG. (1990) Double-labeling of tissue containing the carbocyanine dye Dil for immunocytochemistry. *J Histochem Cytochem*, 38, 735.
88. Erzurumlu R, Jhaveri S, Schneider GE. (1990) Use of brainstem flat-mounts for visualizing Dil-filled axons in the developing rodent visual system. *J Neurosci Methods*, 33, 81.
89. Finger TE, Bottger B. (1990) Transcellular labeling of taste bud cells by carbocyanine dye (Dil) applied to peripheral nerves in the barbels of the catfish, *Ictalurus punctatus*. *J Comp Neurol*, 302, 884.
90. Mufson EJ, Brady DR, Kordower JH. (1990) Tracing neuronal connections in postmortem human hippocampal complex with the carbocyanine dye Dil. *Neurobiol Aging*, 11, 649.
91. von Bartheld CS, Cunningham DE, Rubel EW. (1990) Neuronal tracing with Dil: decalcification, cryosectioning, and photoconversion for light and electron microscopic analysis. *J Histochem Cytochem*, 38, 725.
92. Honig MG, Hume RI. (1989) Dil and diO: versatile fluorescent dyes for neuronal labelling and pathway tracing. *Trends Neurosci*, 12, 333.
93. Crissman HA, Hofland MH, Stevenson AP, Wilder ME, Tobey RA. (1988) Use of DiO-C5-3 to improve Hoechst 33342 uptake, resolution of DNA content, and survival of CHO cells. *Exp Cell Res*, 174, 388.
94. Vidal-Sanz M, Villegas-Perez MP, Bray GM, Aguayo AJ. (1988) Persistent retrograde labeling of adult rat retinal ganglion cells with the carbocyanine dye dil. *Exp Neurol*, 102, 92.
95. Magnusson KE, Johansson B, Sundqvist T. (1987) Rapid lateral diffusion of lectin-labelled glycoconjugates in the human colonic adenocarcinoma cell line HT29. Comparison with the synthetic lipid analogue dil-C14. *Eur Biophys J*, 15, 141.
96. Guillet EG, Kimmich GA. (1981) DiO-C3-(5) and DiS-C3-(5): Interactions with RBC, ghosts and phospholipid vesicles. *J Membr Biol*, 59, 1.