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|  | Seznam používaných sond pro FISH | Strana: 1 Celkem: 5 |
| CGB laboratoř a.s. | Vypracoval: Schválil: Mgr. Jana Žmolíková RNDr. Magdalena Uvírová | Datum vydání: 25.9.2020 Platnost od: 25.9.2020 |


| Poř. č. | SONDY k vyšetření č. 5, 6 |
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| 1 | ON 1q21 / SRD (1p36) |
| 2 | ON MDM4 (1q32/SE 1) |
| 3 | ST 1qter, red |
| 4 | ST 1pter, green |
| 5 | SPEC 1p36/1q25 Dual Color Probe |
| 6 | Vysis LSI ALK Dual Color Break Apart Rearrangement Probe |
| 7 | ON ALK (2p23) Break |
| 8 | N-MYC |
| 9 | ON ALK/EML4 t(2;2); inv(2) Fusion |
| 10 | ST 2pter, red |
| 11 | WC-2, red |
| 12 | ST 2qter, green |
| 13 | SPEC ALK Dual Color Break Apart Probe |
| 14 | XL BCL6 |
| 15 | ST 3qter red |
| 16 | ON BCL6 (3q27) Break (tissue) |
| 17 | ON FIPL1-CHIC2-PDGFR4 (4q12) Del, Break |
| 18 | ON TET2 (4q24) / SE 4 |
| 19 | ON FGFR3/IGH t(4;14) Fusion |
| 20 | 4pter |
| 21 | 4pter, green |
| 22 | 4qter, red |
| 23 | XL IGH/FGFR3 |
| 24 | IGH-FGFR3 Fusion/Translocation FISH Probe Kit |
| 25 | ON MDS 5q- (5q31; 5q33) |
| 26 | XL 5q31 / 5q33 |
| 27 | 5q ter, green |
| 28 | 5pter, red |
| 29 | 5qter, green |
| 30 | PDGFRB Break |
| 31 | CSF1/EGR1 FISH Probe Kit |
| 32 | ON ROS1 (6q22) Break |
| 33 | ROS1 Breakapart Probe |
| 34 | ON 6q21 / MYC (8q24) |
| 35 | MYB Deletion Probe |
| 36 | PRDMI 6q21/6p22 |
| 37 | 6pter, green |
| 38 | ST 6pter, red |
| 39 | LSI ROS1 break apart probe |

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|  | Seznam používaných sond pro FISH | Strana: 2 Celkem: 5 |
| CGB laboratoř a.s. | Vypracoval: Mgr. Jana Žmolíková Schválil: RNDr. Magdalena Uvírová | Datum vydání: 25.9.2020 Platnost od: 25.9.2020 |


| Poř. č. | ** SONDY k vyšetření č. 5, 6 |
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| 40 | 6q21/SE 6 FISH Probe |
| 41 | XL 6q21/6q23 |
| 42 | SEC63/MYC Amplification Probe |
| 43 | SPEC MYB Dual Color Break Apart Probe |
| 44 | SPEC ROS1 Dual Color Break Apart Probe |
| 45 | ON EGFR, Her-1 (7p11) / SE 7 |
| 46 | ST 7qter, red |
| 47 | ON C-MET (7q31/SE 7) |
| 48 | TCRB Breakapart Probe |
| 49 | XL del(7)(q22q31) |
| 50 | Vysis BRAF SpectrumGold |
| 51 | Vysis MET SpectrumRed |
| 52 | CEP7(Green)/LSI EGFR(Orange) |
| 53 | ON MDS 7q- (7q22;7q36) |
| 54 | SPEC MET/CEN 7 Dual Color Probe |
| 55 | CUX1/VIPR2 FISH Probe Kit |
| 56 | XL IGH / MYC |
| 57 | 8 WCP |
| 58 | ON MYC (8q24) Break, TC |
| 59 | ON FGFR1 (8p12) Break |
| 60 | CEP8 (Green) |
| 61 | SE 8, green |
| 62 | ST 8qter, green |
| 63 | CEN 8 Probe |
| 64 | SE 8, (8Z1), red |
| 65 | ON p16 (9p21) / 9q21 (tissue) |
| 66 | ON JAK2 (9p24) Break |
| 67 | ON BCR/ABL t(9;22) DC, D- Fusion |
| 68 | XL BCR/ABL1 plus |
| 69 | BCR/ABL Translocation Probe |
| 70 | 9qter, reed |
| 71 | CEP9 (Orange) |
| 72 | XL CDKN2A |
| 73 | P16 Deletion Probe |
| 74 | SPEC CDKN2A/CEN 9 Dual Color Probe |
| 75 | Vysis CDKN2A/CEP 9 FISH Probe Kit |
| 76 | SPEC BCR/ABL 1 Dual Color Probe |
| 77 | SPEC CD274, PDCD1LG2/CEN 9 Dual Color Probe |
| 78 | BCR-ABL1 Fusion/Translocation FISH Probe Kit |

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|  | Seznam používaných sond pro FISH | Strana: 3 Celkem: 5 |
| CGB laboratoř a.s. | Vypracoval: Schválil: Mgr. Jana Žmolíková RNDr. Magdalena Uvírová | Datum vydání: 25.9.2020 Platnost od: 25.9.2020 |

| Poř. č. | ** SONDY k vyšetření č. 5, 6 |
|---------|-------------------------------------|
| 79 | ON PTEN (10q23) / SE 10 |
| 80 | FGFR2 (10q26) /SE 10 |
| 81 | ON RET (10q11) Break |
| 82 | DiGeorge II (10p14) Probe |
| 83 | 10qter, green |
| 84 | ST 10 pter, green |
| 85 | SPEC PTEN/CEN 10 Dual Color Probe |
| 86 | ON ATM (11q22) / SE 11 |
| 87 | ON BCL1/IGH t(11;14) Fusion |
| 88 | ST 11qter, green |
| 89 | ST 11qter, red |
| 90 | 11qter, green |
| 91 | 11qter RED |
| 92 | IGH/CCND1 Plus Translocation |
| 93 | ATM Deletion probe |
| 94 | SPEC CCND1/IGH Dual Color |
| 95 | ON MDM2 (12q15) / SE 12 |
| 96 | SE 12 (D12Z3), red |
| 97 | ON ETV6 (TEL) (12p13) Break |
| 98 | ON CHOP (12q13) Break |
| 99 | ST 12pter, green |
| 100 | ST 12pter, red |
| 101 | ST 12qter, green |
| 102 | XCE 12 orange |
| 103 | CEN 12 Probe |
| 104 | ON DLEU (13q14) / 13qter |
| 105 | XL DLEU/LAMP |
| 106 | ST 13qter, green |
| 107 | LPT 13qter, green |
| 108 | ST 13qter, red |
| 109 | ST 13qter, blue |
| 110 | RB1 Deletion Probe |
| 111 | SPEC RB1/13q12 |
| 112 | IGH (14q32) Break Probe |
| 113 | XL IGH plus |
| 114 | 14q32.2, BlueGnome |
| 115 | ON BCL2/IGH t(14;18) Fusion |
| 116 | XL IGH/BCL2 t(14;18) |
| 117 | ON MAF/IGH t(14;16) |
| 118 | XL IGH/MAF t(14;16) |

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|---------|---|
| 119 | ST 14qter, green |
| 120 | ST 14qter RED |
| 121 | ST 14qter, blue |
| 122 | IGH Plus Breakapart probe |
| 123 | IGH/BCL2 Plus Translocation |
| 124 | SPEC IGH Dual Color Apart Probe |
| 125 | IGF-MAF Fusin/Translocation FISH Probe Kit |
| 126 | IGH Break Apart FISH Probe Kit |
| 127 | ON MM 15q22/9q34 |
| 128 | ST 15qter, red |
| 129 | ST 15qter, green |
| 130 | ON PML/RARA |
| 131 | Prader-Willi/Angelman (SNRPN) |
| 132 | 16 WPC |
| 133 | FUS (16p11) Break |
| 134 | ON p53 (17p13) / SE 17 (tissue) |
| 135 | ON p53 (17p13) / MPO (17q22) "ISO 17q" |
| 136 | ON ERBB2, Her-2/neu (17q12) / SE 17 |
| 137 | ON TOP2A (17q21) / SE 17 |
| 138 | SMCR and MDS/ILS |
| 139 | TOP2A Amplification/Deletion Probe |
| 140 | ST 17qter, red |
| 141 | XL TP53/NF1 |
| 142 | XL P53 |
| 143 | SPEC COL1A1/PDGFB Dual color |
| 144 | ST 17pter, green |
| 145 | P53 Deletion Probe |
| 146 | LSI Her-2/neu/CEP17 |
| 147 | SPEC TP53/CEN 17 Dual Color Probe |
| 148 | Miller-Dieker PAF1H1B1 (17p13)/Smith-Magenis RAI1 (17p11) |
| 149 | ON SYT (18q11) Break |
| 150 | ON MALT (18q21) Break (tissue) |
| 151 | ST 18pter, green |
| 152 | ST 18pter, red |
| 153 | ON BCL2(18q21) Break |
| 154 | ERCC1(19q13)/ZNF443 (19p13) |
| 155 | SPEC 19q13/19p13 |
| 156 | ON 20q- (PTPRT 20q12)/20q11 |
| 157 | XL Del (20q) |

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|  | Seznam používaných sond pro FISH | Strana: 5 Celkem: 5 |
| CGB laboratoř a.s. | Vypracoval: Mgr. Jana Žmolíková Schválil: RNDr. Magdalena Uvírová | Datum vydání: 25.9.2020 Platnost od: 25.9.2020 |

| Poř. č. | ** SONDY k vyšetření č. 5, 6 |
|---------|--|
| 158 | PTPRT/CCP20 FISH Probe Kit |
| 159 | ST 21qter, red |
| 160 | ON EWSR1 (22q12) Break |
| 161 | DiGeorge TBX1 and 22q13.3 |
| 162 | ST 22qter, red |
| 163 | EWSR1 Dual Color Break Probe |
| 164 | SHOX |
| 165 | Kallmann (KAL1)/ Steroid Sulphatase Deficiency (STS) Probe combination |
| 166 | XIST Probe (Xq13.2) with X Centromere Control |
| 167 | W-WCP |
| 168 | XYpter |
| 169 | SRY Probe |
| 170 | LPE OXYc |
| 171 | SE X(DXZ1) / SEY (DYZ3) |
| 172 | CCPX Cytogreen/CCPY (DYZ3) CytoOrange |
| 173 | FAST FISH Prenatal Enumeration Probe kit |
| 174 | Acro-P-Arm |
| 175 | CLL PROFILER Kit |
| 176 | LPL /MYC/SE8 control Probe |
| 177 | Vysis Esophageal FISH Probe Kit |
| 178 | MultiVysion PB |
| 179 | MultiVysion PGT Probe panel |
| 180 | Vysis Melanoma FISH Probe Kit |
| 181 | Vysis UroVysion Bladder Cancer Recurrence Kit |
| 182 | SEC63/MYC FISH Probe Kit – výrobce CytoTest Inc. |
| 183 | RB1/LAMP1 FISH Probe Kit – výrobce CytoTest Inc. |
| 184 | TP53/CCP17 FISH Probe Kit – výrobce CytoTest Inc. |
| 185 | TP73/ABL 2, GLTSCR1/ZNF443 FISH Probe Kit – výrobce CytoTest Inc. |
| 186 | EGFR/CCP7 FISH PROBE Kit – výrobce CytoTest Inc. |
| 187 | PTEN/CCP10 FISH Probe Kit – výrobce CytoTest Inc. |
| 188 | RREB1/MYB/CCP6/CCND1 FISH Probe Kit – výrobce CytoTest Inc. |
| 189 | SPEC PDGFRA-FIPL1L1– výrobce CytoTest Inc. |
| 190 | SPEC PDGFRB Dual Color Break Apart Probe– výrobce CytoTest Inc. |
| 191 | MYC Break Apart FISH Probe Kit– výrobce CytoTest Inc. |

Poznámka: u červeně označených sond je uplatněn flexibilní rozsah akreditace (FRA)