

| Bezeichnung                                        | Bemerkung                                                                             | Zertifiziert? | Chromosom  | Sonden-Typ           | Locus                          | Kontroll-Locus     | Hersteller       | Markierung                 | Anbruch-datum | Haltbarkeits-datum |
|----------------------------------------------------|---------------------------------------------------------------------------------------|---------------|------------|----------------------|--------------------------------|--------------------|------------------|----------------------------|---------------|--------------------|
| 10pter Subtelomere Specific Probe                  | 10pter                                                                                |               | 10         | SubTelomer           | 10p                            |                    | Cytocell         | 10pSG                      | 02.12.2025    | 23.02.2027         |
| 10pter+10qter MIX Subtelomere Specific Probe       | 10pter, 10qter                                                                        |               | 10         | SubTelomer           | 10p, 10q                       |                    | Cytocell         | 10pSG, 10qSR               | 02.12.2025    | 23.02.2027         |
| 10qter Subtelomere Specific Probe                  | 10qter                                                                                |               | 10         | SubTelomer           | 10q                            |                    | Cytocell         | 10qSR                      | 02.12.2025    | 23.02.2027         |
| acro-p Metasystems                                 | 13p, 14p, 15p, 21p, 22p (SR)                                                          | in-house      | 13,14,15,2 | Sonstige             | 13p,14p,15p,21p,22p            |                    | MetaSystems      | SO                         | 20.10.2025    | 30.04.2028         |
| Alpha Satellite 13/21                              | Alpha Satellit 13cen, 21cen green                                                     |               | 13,21      | Sonstige             | Alpha Satellite 13/21          |                    | CytoCell         | Spectrum green             | 30.03.2023    | 06.02.2027         |
| Arm Specific Probe 15q                             | paint specific probe 15q (SR)                                                         | in-house      | 15         | PaintingSonde        | partial painting 15q           |                    | Leica/Kreatech   | SR                         | 19.04.2017    | 08.12.2026         |
| Arm Specific Probe Xp                              | Arm Specific Probe Xp red                                                             | in-house      | X          | PaintingSonde        | whole chromosome painting Xp   |                    | Leica/Kreatech   | red                        | 01.05.2018    | 08.12.2026         |
| Arm Specific Probe Xq                              | Arm Specific Probe Xq green                                                           | in-house      | X          | PaintingSonde        | whole chromosome painting Xq   |                    | Leica/Kreatech   | green                      | 01.05.2018    | 16.02.2027         |
| CEP 8                                              | 8p11.1-q11.1 (SO)                                                                     | in-house      | 8          | Metaphase            | 8p11.1-q11.1                   |                    | Abbott Molecular | SO                         | 01.08.2000    | 12.03.2027         |
| DiGeorge TBX1 and 22q13.3 Probe Combination        | TBX1 22q11.21 (SR) / SHANK3 22q13.33(SG) // Locus 22q11.21 (SR), SHANK3:22q13.33 (SG) | in-house      | 22         | Metaphase            | TBX1 22q11.21, SHANK3 22q13.33 | 22q13.33 (SHANK3)  | Cytocell         | TBX1 SR, SHANK3 SG         | 22.08.2024    | 28.08.2026         |
| FAST FISH Prenatal 13 and 21 Enumeration Probe kit | 13q14.2 (SG), 21q22.13 (SO)                                                           |               | 13,21      | Interphase           | 13q14.2(SG),21q22.13 (SO)      |                    | cytocell         | 13q14.2 (SG)21q22.13 (SO)  | 05.02.2026    | 24.11.2026         |
| Kallmann (KAL1)/STS Probe Combination              | Xp22.31(SR+SG) DXZ1(SG)                                                               |               | X          | Microdeletions Sonde | Xp22.31                        | Xp11.1-q11.1       | Cytocell         | Xp22.31(SR+SG) DXZ1(SG)    | 22.08.2024    | 12.03.2027         |
| SE 14/22 Leica                                     | 14 blue/ 22q13.2 blue                                                                 | in-house      | 14, 22     | Metaphase            | D14Z1, D22Z1                   |                    | Leica/Kreatech   | 14 blue/ 22 blue           | 03.05.2016    | 08.12.2026         |
| SE Y                                               | satellite III SG                                                                      | in-house      | Y          | Metaphase            | Yq12, satellite III            | entfällt           | Cytocell         | SG                         | 01.08.2022    | 15.09.2026         |
| SHOX Probe                                         | Xp22.33/Yp11.32 (SR) + DXZ1 (SA) + DYZ1 (SG)                                          |               | X          | Microdeletions Sonde | Xp22.33/Yp11.32                | Yq12, Xp11.1-q11.1 | CytoCell         | SHOX(SR) DYZ1(SG) DXZ1(SA) | 22.08.2024    | 09.12.2026         |
| Vysis 1p36 Microdeletion Region Probe CEB108/T7    | CEB108/T7 1p36 (SG) / p58 1p36 (SO), 1q25 (SA)                                        | in-house      | 1          | SubTelomer           | 1p36 (CEB108/T7)               | LSI 1q25           | Abbott Molecular | 1p36 SG,SO 1q25 (SA)       | 12.06.2008    | 02.03.2027         |

| Bezeichnung                                              | Bemerkung                                                                                                                          | Zertifiziert? | Chromosom | Sonden-Typ           | Locus                                            | Kontroll-Locus       | Hersteller       | Markierung                | Anbruch-datum | Haltbarkeits-datum |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|----------------------|--------------------------------------------------|----------------------|------------------|---------------------------|---------------|--------------------|
| Vysis AneuVysion 13 21 Probe Mixture #2                  | 13q14.2 (SG) / 21q22.13 (SO)                                                                                                       | in-house      | 13,21     | QuickFISH            | 13q14.2, 21q22.13                                |                      | Abbott Molecular | 13 (SG), 21 (SO)          | 01.01.2015    | 07.01.2027         |
| Vysis AneuVysion 18 X Y Probe Mixture #1                 | DXZ1 (SG) / DYZ3 (SO) / D18Z1(SA)                                                                                                  | in-house      | 18,X,Y    | QuickFISH            | DXZ1 / DYZ3 / D18Z1                              |                      | Abbott Molecular | DXZ1G,DYZ3O,D18Z1A        | 19.11.2025    | 25.11.2026         |
| Vysis DiGeorge Region Probe TUPLE1/ARSA                  | TUPLE1 22q11.21 (SO), ARSA 22q13.33 (SG) // 22q11.21 (SO), 22q13.33 (SG),3*TUPLE1 (HIRA), D22S553, D22S609, D22S942                | in-house      | 22        | Microdeletions Sonde | TUPLE1 22q11.21, ARSA 22q13.33                   | ARSA 22q13.33        | Abbott Molecular | TUPLE SO, ARSA SG         | 30.08.2021    | 28.04.2027         |
| Vysis LSI CSF1R D5S23, D5S721 Probe                      | CSF1R (SO) + D5S721/D5S23 (SG) // Locus CSF1R (5q33-q34) + D5S23/D5S721 (5p15.2)                                                   | in-house      | 5         | Metaphase            | CSF1R (5q33-q34), D5S23/D5S721 (5p15.2)          | 5p15.2: D5S23/D5S721 | Abbott Molecular | 5p15 SG, 5q33-q34 SO      | 13.03.2003    | 18.05.2027         |
| Vysis LSI SRY/CEP X FISH Probe Kit                       | SRY (SO), CEP X (SG)                                                                                                               | in-house      | X, Y      | Metaphase            | SRY: Yp11.3(SO), CEP X(SG)                       | DXZ1 ( Xp11-q11)     | Abbott Molecular | SRY SO, CEP X SG          | 26.03.2026    | 17.09.2026         |
| Vysis Miller-Dieker Region/Isolated Lissencephaly Probe  | 17p13.3 (SO), 17q21.1 (SG)                                                                                                         | in-house      | 17        | Microdeletions Sonde | 17p13.3, 17q21.1                                 | RARA 17q21.1         | Abbott Molecular | 17p13.3 SO, 17q21.1 SG    | 15.03.2024    | 08.12.2026         |
| Vysis Multivision PB Multi-color Probe                   | 13(red)/16(aqua)/18(blue) /21(green)/22(gold) // Locus 13q14.2(SR)/16q11.2(SA)/ 18p11.1-q11.1(SB)/21q22.13-q22.2(SG)/22q11.2(gold) | in-house      | 13,16,18, | Interphase           | 13q14, 16q11.2, 18p11.1-q11.1, 21q22.13-q22.2, 2 |                      | Abbott Molecular | 13R,16A,18B,21G, 22GO     | 25.11.2016    | 22.12.2026         |
| Vysis Prader-Willi/Angelman Region Probe GABRB3/CEP15    | GABRB3 15q11-q13 (SO), D15Z1 15p11.2 CEP 15(SG) // Locus GABRB3: 15q11-q13 (SO), CEP (SG)                                          | in-house      | 15        | Metaphase            | siehe Bemerkung                                  |                      | Abbott/Vysis     | GABRB3 SO, CEP15 SG       | 08.10.2019    | 07.08.2026         |
| Vysis Prader-Willi/Angelman Region Probe SNRPN/CEP15/PML | SNRPN (SO), CEP15 (SA), PML (SG)                                                                                                   | in-house      | 15        |                      | SNRPN/CEP15/PML                                  |                      | Abbott Molecluar | SNRPN SO, CEP15 SA,PML SG | 26.08.2025    | 17.02.2027         |
| Vysis Smith-Magenis Region Probe                         | 17p11.2 (SO), 17q21.1 (SG)                                                                                                         | in-house      | 17        | Microdeletions Sonde | 17p11.2 (SO),17q21.1 (SG)                        | RARA 17q21.1         | Abbott Molecular | 17p11.2 SO, 17q21.1 SG    | 18.05.2000    | 08.12.2026         |

| Bezeichnung                                        | Bemerkung                                                                                          | Zertifiziert? | Chromosom | Sonden-Typ | Locus                                   | Kontroll-Locus             | Hersteller       | Markierung                | Anbruch-datum | Haltbarkeits-datum |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------|-----------|------------|-----------------------------------------|----------------------------|------------------|---------------------------|---------------|--------------------|
| Vysis SRY Probe LSI SRY/CEP X/SE Y (Vysis/Cytocel) | SRY (SO), CEP X (SG)/ Yq (SA) // Locus SRY:Yp11.31 (SO), CEP X (SG), CEP Y DYZ1 (SA)               | in-house      | X, Y      | Metaphase  | SRY Yp11.31, CEPX, DYZ1                 | DXZ1: Xp11-q11, DYZ1: Yq12 | Vysis/Cytocell   | SRY SO, CEP X SG, DYZ1 SG | 23.12.2024    | 15.09.2026         |
| Vysis ToTelVysion Mix 1                            | 1p SG/1q44 SO/ Yp SG+SO/ Xp SG+SO/ CEP X SA // Locus 1p36.33, 1q44, Xp22.33, Yp11.32               | in-house      | 1, X, Y   | SubTelomer | siehe Bemerkung                         |                            | Abbott/Vysis     | 1pG,1qO,YpXpGO,CEPXB      | 07.01.2026    | 27.01.2027         |
| Vysis ToTelVysion Mix 10                           | 10pSG,10qSO,15qGO                                                                                  | in-house      | 10, 15    | SubTelomer | 10p,10q,15q                             | LSI PML                    | Abbott Molecular | 10pSG,10qSO,15qGO,15q22SA | 12.08.2024    | 11.02.2027         |
| Vysis ToTelVysion Mix 11                           | 11p15.5 (SG)/ 11q25 (SO)/ 18p SG+SO/ CEP18 (SA)                                                    | in-house      | 11, 18    | SubTelomer | D11S2071, D11S1037, D18S552, D18Z1      | D18Z1                      | Abbott Molecular | 11pG,11qO,18pGO,CEP18A    | 23.07.2023    | 28.01.2027         |
| Vysis ToTelVysion Mix 12                           | 12p SG/ 12q SO/ 18q SG+SO/ CEP18 (SA)                                                              | in-house      | 12, 18    | SubTelomer | 12p13.33, 12q24.33, 18q23, CEP18        | D18Z1                      | Abbott Molecular | 12pG,12qO,18qGO,CEP18B    | 27.02.2008    | 19.11.2026         |
| Vysis ToTelVysion Mix 13                           | 16p SG/ 16q SO                                                                                     | in-house      | 13        | SubTelomer | 16p13.3, 16q24.3                        |                            | Abbott Molecular | 16p SG/ 16q SO            | 14.06.2022    | 03.02.2027         |
| Vysis ToTelVysion Mix 14                           | 19p SG/ 19q SO/ CEP19 SA                                                                           | in-house      | 19        | SubTelomer | 19p13.3, 19q13.43                       | CEP19                      | Abbott Molecular | 19p SG/ 19q SO/ CEP19 SA  | 28.04.2008    | 20.01.2027         |
| Vysis ToTelVysion Mix 15                           | 20p SG/ 20q SO                                                                                     | in-house      | 20        | SubTelomer | D20S1157, 20QTEL14                      |                            | Abbott Molecular | 20p SG/ 20q SO            | 15.07.2020    | 04.12.2026         |
| Vysis ToTelVysion Mix 2                            | 2pSG,2qSO,Xq/YqGO,CEPX SA                                                                          |               | 2, X, Y   | SubTelomer | VIIyRM2052, D2S447, DXYS154/SYBL1, DXZ1 | CEPX                       | Abbott Molecular | 2pSG,2qSO,Xq/YqGO,CEPXSA  | 08.01.2026    | 27.01.2027         |
| Vysis ToTelVysion Mix 3                            | 3p SG/ 3q SO/ 22q SG+SO/ LSI BCR(22) SA // Locus 3p26.3, 3q29, 22q13.33, BCR: 22q11.22-q11.23 (SA) | in-house      | 3, 22     | SubTelomer | siehe Bemerkung                         |                            | Abbott Molecular | 3pG,3qO,22qGO,BCRB        | 29.11.2022    | 13.01.2027         |
| Vysis ToTelVysion Mix 4                            | 4p SG/ 4q SO/ 21q SG+SO/ AML1 SA // Locus 4p16.3, 4q35.2, 21q22.12, AML1: 21q22.3                  | in-house      | 4, 21     | SubTelomer | siehe Bemerkung                         |                            | Abbott Molecular | 4pG,4qO,21qGO,AML1B       | 02.03.2026    | 27.01.2027         |
| Vysis ToTelVysion Mix 5                            | 5p SG/ 5q SO                                                                                       | in-house      | 5         | SubTelomer | 5p15.33, 5q35.3                         |                            | Abbott Molecular | 5p SG/ 5q SO              | 27.05.2024    | 20.04.2027         |

| Bezeichnung                                       | Bemerkung                                                                                                                     | Zertifiziert? | Chromosom | Sonden-Typ              | Locus                        | Kontroll-Locus | Hersteller       | Markierung                    | Anbruch-datum | Haltbarkeits-datum |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|-------------------------|------------------------------|----------------|------------------|-------------------------------|---------------|--------------------|
| Vysis ToTelVysion Mix 6                           | 6p SG/ 6q SO/ 13q SG+SO/<br>13q14 SA // Locus 6p25.3,<br>6q27, 13q14.2 (SA), 13q34<br>(SG+SO)                                 | in-house      | 6, 13     | SubTelomer              | siehe Bemerkung              | (RB1) 13q14    | Abbott Molecular | 6pG,6qO,13qGO,<br>13q14B      | 14.12.2022    | 02.12.2026         |
| Vysis ToTelVysion Mix 7                           | 7p SG/ 7q SO/ 14q SG+SO/<br>LSI TCR (14q11.2) SA //<br>Locus 7p22.3, 7q36.3<br>VIJ2yRM2185, 14q32.33<br>(SG+SO), 14q11.2 (SA) | in-house      | 7, 14     | SubTelomer              | siehe Bemerkung              | LSI14q11.2     | Abbott Molecular | 7pG,7qO,14qGO,L<br>SI14q11.2B | 09.01.2025    | 23.02.2027         |
| Vysis ToTelVysion Mix 8                           | 8p SG/ 8q SO/ 17p SG+SO/<br>CEP17 SA // Locus 8p23.3,<br>8q24.3, 17p13.3 (SG+SO),<br>17p11.1-q11.1 (SA)                       | in-house      | 8, 17     | SubTelomer              | siehe Bemerkung              |                | Abbott/Vysis     | 8pG,8qO,17pGO,<br>CEP17B      | 07.10.2025    | 27.01.2027         |
| Vysis ToTelVysion Mix 9                           | 9p SG/ 9q SO/ 17q SG+SO/<br>CEP17 SA // Locus 9p24.3,<br>9q34.3, 17q25.3 (SG+SO),<br>17p11.1-q11.1 (SA)                       | in-house      | 9, 17     | SubTelomer              | siehe Bemerkung              | D17Z1          | Abbott/Vysis     | 9pG,9qO,17qGO,<br>CEP17B      | 19.06.2024    | 11.02.2027         |
| Vysis Wolf-Hirschhorn Region Probe                | 4p16.3 (SO), CEP 4 (SG)                                                                                                       | in-house      | 4         | Metaphase               | 4p16.3, CEP4                 |                | Abbott Molecular | 4p16.3 (SO), CEP<br>4 (SG)    | 25.07.2022    | 02.03.2027         |
| WCP 13                                            | 13 (SG)                                                                                                                       | in-house      | 13        | PaintingSonde           | whole chromosome<br>painting |                | Abbott Molecular | SG                            | 06.06.2000    | 23.12.2026         |
| WCP 19                                            | 19 (SR)                                                                                                                       | in-house      | 19        | PaintingSonde           | whole chromosome<br>painting |                | Leica/Kreatech   | SR                            | 10.06.2010    | 12.03.2027         |
| WCP 2                                             | SR                                                                                                                            | in-house      | 2         | PaintingSonde           | whole chromosome<br>painting |                | Leica/Kreatech   | SR                            | 20.09.2017    | 08.12.2026         |
| WCP 5                                             | 5 (SG)                                                                                                                        | in-house      | 5         | PaintingSonde           | whole chromosome<br>painting |                | LEica/Kreatech   | SG                            | 20.09.2016    | 12.03.2027         |
| WCP 6                                             | 6 (SG)                                                                                                                        | in-house      | 6         | PaintingSonde           | whole chromosome<br>painting |                | Cytocell         | SG                            | 07.10.2013    | 08.12.2026         |
| Williams-Beuren Region Probe<br>WBSCR/ELN + CEP 7 | 7q11.23 (SR), CEP 7 (SG) //<br>Locus 7q11.23 (SR), 7p11.1-<br>q11.1 (SG)                                                      | in-house      | 7         | Microdeletions<br>Sonde | siehe Bemerkung              | D7Z1           | Cytocell         | 7q11.23 (SR), CEP<br>7 (SG)   | 20.10.2015    | 16.02.2027         |

| Bezeichnung                        | Bemerkung                                                                                                                      | Zertifiziert? | Chromosom  | Sonden-Typ    | Locus                         | Kontroll-Locus   | Hersteller  | Markierung                 | Anbruch-datum | Haltbarkeits-datum |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|-------------------------------|------------------|-------------|----------------------------|---------------|--------------------|
| XA 13/18/21 Metasystems            | 13(SG)/ 18(SA)/ 21(SO) // Locus 13q14.2 (SG), 18q21.31-q21.32 (SA), für Lot 21213: 13q14-13qter, 18q12.3-q22.1, 21q22.13-q22.2 | in-house      | 13, 18, 21 | QuickFISH     | siehe Bemerkung               |                  | Metasystems | 13(SG)/ 18(SA)/ 21(SO)     | 13.09.2022    | 10.03.2027         |
| XA 13/21 Metasystems               | D13S645/RB1/D13S210 (SG), D21S1917/DSCR4/D21S341/D21S3391(SO)                                                                  | IVD CE        | 13, 21     | Sonstige      | 13q14.2(SG), 21q22.13(SO)     |                  | MetaSystems | 13q14.2 (SG) 21q22.13 (SO) | 11.06.2025    | 31.01.2027         |
| XA X/Y/18                          | 18(SA)/ X(SG) / Y(SO) // Locus CEP 18 (SA), Xp11.1-q11.1 (SG), Yp11.1-q11.1 (SO)                                               | in-house      | 18, X, Y   | QuickFISH     | siehe Bemerkung               |                  | MetaSystems | 18(SA)/ X(SG)/Y(SO)        | 25.01.2016    | 06.02.2027         |
| XCE 2 Centromere Enumeration Probe |                                                                                                                                |               | 2          | Interphase    | Centromere Enumeration Probe  | D2Z1             | Metasystems | SG                         | 16.10.2024    | 14.10.2026         |
| XCE 9 Centromere Enumeration Probe | D9Z1 (SG)                                                                                                                      |               | 9          | Interphase    | Centromere Enumeration Probe  | D9Z1             | Metasystems | SG                         | 06.03.2026    | 31.01.2029         |
| XCP 1                              | 1 (SG)                                                                                                                         | in-house      | 1          | PaintingSonde | whole chromosome painting     |                  | MetaSystems | WCP                        | 10.12.2012    | 11.03.2027         |
| XCP 10                             | 10 (SO)                                                                                                                        | in-house      | 10         | PaintingSonde | whole chromosome painting     |                  | MetaSystems | SO                         | 10.12.2012    | 02.12.2026         |
| XCP 3                              | 3 (SG)                                                                                                                         | in-house      | 3          | PaintingSonde | whole chromosome painting     |                  | MetaSystems | SG                         | 07.10.2024    | 31.01.2027         |
| XCP 9                              | 9 (SG)                                                                                                                         |               | 9          | PaintingSonde | whole chromosome painting     |                  | MetaSystems | SG                         | 31.03.2025    | 31.12.2027         |
| XCP Y                              | Y (SG)                                                                                                                         | in-house      | Y          | PaintingSonde | whole chromosome painting     |                  | MetaSystems | SG                         | 01.05.2015    | 15.09.2026         |
| XIST / X cen                       | Xq13.2 (SR), CEP X (SG)                                                                                                        | in-house      | X          | Metaphase     | Xq13.2: XIST, Xp11-q11: CEP X | Xp11-q11 (CEP X) | Qbiogene    | Xq13.2 (SR), CEP X (SG)    | 10.04.2006    | 18.02.2027         |