RUO Molecular Probes

For in situ hybridization
Molecular Probes

The RUO (Research Use Only) molecular probes from Roche deliver highly specific staining on our fully automated platforms. Utilizing a unique bioinformatics design, we identify and eliminate repeat regions prior to production, so each probe offers highly specific repeat-free staining. The DNP and DIG labels allow these probes to be used seamlessly on our fully automated platforms with our high quality ISH detection offering. We build the tools you need to piece together the answers to the toughest questions in research.

Break-apart Gene Probes

**ROS 5’ DIG Probe**
- Catalog number: 980-1230
- Ordering Code: 07389698001
- Size: One 1.25 mL vial of ROS1 5’ DIG Probe, contains approximately 20 μg/mL of the probe formulated in a formamide-based hybridization buffer
- Classification: RUO (research use only)
- Description: ROS1 5’ DIG Probe is a digoxigenin (DIG) probe that spans approximately 628 Kb of the ROS1 region on chromosome 6. This probe does not contain repetitive DNA sequences.

**ROS 3’ DNP Probe**
- Catalog number: 980-1231
- Ordering Code: 07389701001
- Size: One 1.25 mL vial of ROS1 3’ DNP Probe, contains approximately 20 μg/mL of the probe formulated in a formamide-based hybridization buffer
- Classification: RUO (research use only)
- Description: ROS1 3’ DNP Probe is a dinitrophenyl (DNP) probe that spans approximately 527 Kb of the ROS1 region on chromosome 6. This probe does not contain repetitive DNA sequences.

**BCL2 3’ DNP Probe**
- Catalog number: 980-1234
- Ordering Code: 07389736001
- Size: One 1.25 mL vial of BCL2 3’ DNP Probe, contains approximately 20 μg/mL of the probe formulated in a formamide-based hybridization buffer
- Classification: RUO (research use only)
- Description: BCL2 3’ DNP Probe is a DNP labeled probe that spans approximately 486 Kb of the BCL2 region on chromosome 18. This probe does not contain repetitive DNA sequences.

**BCL2 5’ DIG Probe**
- Catalog number: 980-1235
- Ordering Code: 07391188001
- Size: One 1.25 mL vial of BCL2 5’ DIG Probe, contains approximately 20 μg/mL of the probe formulated in a formamide-based hybridization buffer
- Classification: RUO (research use only)
- Description: BCL2 5’ DIG Probe is a digoxigenin (DIG) probe that spans approximately 490 Kb of the BCL2 region on chromosome 18. This probe does not contain repetitive DNA sequences.

**CDK4 DNP Probe**
- Catalog number: 980-1241
- Ordering Code: 07389817001
- Size: One 1.25 mL vial of CDK4 DNP Probe, contains approximately 20 μg/mL of the probe formulated in a formamide-based hybridization buffer
- Classification: RUO (research use only)
- Description: CDK4 DNP Probe is a DNP labeled probe that spans approximately 289 Kb of the CDK4 region on chromosome 12. This probe does not contain repetitive DNA sequences.
### ATM DNP Probe
- **Catalog number**: 980-1237
- **Ordering Code**: 07389779001
- **Size**: One 1.25 mL vial of ATM DNP Probe, contains approximately 60 μg/mL of the probe formulated in a formamide-based hybridization buffer
- **Classification**: RUO (research use only)
- **Description**: ATM DNP Probe is a DNP labeled probe that spans approximately 486 Kb of the BCL2 region on chromosome 11. This probe does not contain repetitive DNA sequences.

### DLEU DNP Probe
- **Catalog number**: 980-1238
- **Ordering Code**: 07389787001
- **Size**: One 1.25 mL vial of DLEU DNP Probe, contains approximately 60 μg/mL of the probe formulated in a formamide-based hybridization buffer
- **Classification**: RUO (research use only)
- **Description**: DLEU DNP Probe is a DNP labeled probe that spans approximately 484 Kb of the DLEU region on chromosome 13. This probe does not contain repetitive DNA sequences.

### TP53 DNP Probe
- **Catalog number**: 980-1239
- **Ordering Code**: 07389795001
- **Size**: One 1.25 mL vial of TP53 DNP Probe, contains approximately 60 μg/mL of the probe formulated in a formamide-based hybridization buffer
- **Classification**: RUO (research use only)
- **Description**: TP53 DNP Probe is a DNP labeled probe that spans approximately 289 Kb of the TP53 region on chromosome 17. This probe does not contain repetitive DNA sequences.

### HGF DNP Probe
- **Catalog number**: 980-1240
- **Ordering Code**: 07389809001
- **Size**: One 1.25 mL vial of HGF DNP Probe, contains approximately 50 μg/mL of the probe formulated in a formamide-based hybridization buffer
- **Classification**: RUO (research use only)
- **Description**: HGF DNP Probe is a DNP labeled probe that spans approximately 798 Kb of the HGF region on chromosome 7. This probe does not contain repetitive DNA sequences.

### INSR DNP Probe
- **Catalog number**: 980-1232
- **Ordering Code**: 07389710001
- **Size**: One 1.25 mL vial of INSR DNP Probe, contains approximately 20 μg/mL of the probe formulated in a formamide-based hybridization buffer
- **Classification**: RUO (research use only)
- **Description**: INSR DNP Probe is a DNP labeled probe that spans approximately 598 Kb of the INSR region on chromosome 19. This probe does not contain repetitive DNA sequences.

### IRS2 DNP Probe
- **Catalog number**: 980-1233
- **Ordering Code**: 07389728001
- **Size**: One 1.25 mL vial of IRS2 DNP Probe, contains approximately 20 μg/mL of the probe formulated in a formamide-based hybridization buffer
- **Classification**: RUO (research use only)
- **Description**: IRS2 DNP Probe is a DNP labeled probe that spans approximately 485 Kb of the BCL2 region on chromosome 13. This probe does not contain repetitive DNA sequences.
<table>
<thead>
<tr>
<th><strong>EGFR DNP Probe</strong></th>
<th></th>
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<tbody>
<tr>
<td><strong>Catalog number</strong></td>
<td>980-1216</td>
</tr>
<tr>
<td><strong>Ordering Code</strong></td>
<td>06443834001</td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>One 1.25 mL vial of EGFR DNP Probe contains approximately 40 μg/mL of the probe, formulated in a formamide-based hybridization buffer</td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td>RUO (research use only)</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>EGFR DNP Probe is a dinitrophenyl (DNP) probe that spans approximately 955450 base pairs of the EGFR region on Chromosome 7. This probe does not contain repetitive DNA sequences.</td>
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</tbody>
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<thead>
<tr>
<th><strong>FGFR1 DNP Probe</strong></th>
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<tbody>
<tr>
<td><strong>Catalog number</strong></td>
<td>980-1217</td>
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<tr>
<td><strong>Ordering Code</strong></td>
<td>06454216001</td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>One 1.25 mL vial of MDM2 DNP Probe contains approximately 60 μg/mL of the probe formulated in a formamide-based hybridization buffer</td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td>RUO (research use only)</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>MDM2 DNP Probe is a dinitrophenyl (DNP) probe that spans approximately 628 Kb of the MDM2 region on chromosome 12.</td>
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<thead>
<tr>
<th><strong>MDM2 DNP Probe</strong></th>
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<tbody>
<tr>
<td><strong>Catalog number</strong></td>
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<td><strong>Ordering Code</strong></td>
<td>06683215001</td>
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<tr>
<td><strong>Size</strong></td>
<td>One 1.25 mL vial of MDM2 DNP Probe contains approximately 60 μg/mL of the probe formulated in a formamide-based hybridization buffer</td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td>RUO (research use only)</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>MDM2 DNP Probe is a dinitrophenyl (DNP) probe that spans approximately 628 Kb of the MDM2 region on chromosome 12.</td>
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<thead>
<tr>
<th><strong>MET DNP Probe</strong></th>
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<tbody>
<tr>
<td><strong>Catalog number</strong></td>
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<td><strong>Ordering Code</strong></td>
<td>06641695001</td>
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<tr>
<td><strong>Size</strong></td>
<td>One 1.25 mL vial of MET DNP Probe, contains approximately 70 μg/mL of the probe formulated in a formamide-based hybridization buffer</td>
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<tr>
<td><strong>Classification</strong></td>
<td>RUO (research use only)</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>MET DNP Probe is a dinitrophenyl (DNP) probe that spans approximately 506 Kb of the MET region on chromosome 7. This probe does not contain repetitive DNA sequences.</td>
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</tbody>
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<thead>
<tr>
<th><strong>MYC DNP Probe</strong></th>
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<tr>
<td><strong>Catalog number</strong></td>
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<td><strong>Ordering Code</strong></td>
<td>06454267001</td>
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<tr>
<td><strong>Size</strong></td>
<td>One 1.25 mL vial of MYC DNP Probe contains approximately 40 μg/mL of the probe, formulated in a formamide-based hybridization buffer</td>
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<tr>
<td><strong>Classification</strong></td>
<td>RUO (research use only)</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>MYC DNP Probe is a dinitrophenyl (DNP) probe that spans approximately 496 Kb of the MYC region on chromosome 8. This probe does not contain repetitive DNA sequences.</td>
</tr>
</tbody>
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<thead>
<tr>
<th><strong>PIK3CA DNP Probe</strong></th>
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<tr>
<td><strong>Catalog number</strong></td>
<td>980-1226</td>
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<td><strong>Ordering Code</strong></td>
<td>06620400001</td>
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<tr>
<td><strong>Size</strong></td>
<td>One 1.25 mL vial of PIK3CA DNP Probe, contains approximately 60 μg/mL of the probe formulated in a formamide-based hybridization buffer</td>
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<tr>
<td><strong>Classification</strong></td>
<td>RUO (research use only)</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>PIK3CA DNP Probe is a dinitrophenyl (DNP) probe that spans approximately 766 Kb of the PIK3CA region on chromosome 3. This probe does not contain repetitive DNA sequences.</td>
</tr>
</tbody>
</table>
### PTEN DNP Probe

**Catalog number**: 980-1225  
**Ordering Code**: 06621066001  
**Size**: One 1.25 mL vial of PTEN DNP Probe, contains approximately 60 μg/mL of the probe formulated in a formamide-based hybridization buffer  
**Classification**: RUO (research use only)  
**Description**: PTEN DNP Probe is a dinitrophenyl (DNP) probe that spans approximately 370 Kb of the PTEN region on chromosome 10. This probe does not contain repetitive DNA sequences.

### TOP2A DNP Probe

**Catalog number**: 980-1227  
**Ordering Code**: 06621112001  
**Size**: One 1.25 mL vial of TOP2A DNP Probe, contains approximately 60 μg/mL of the probe formulated in a formamide-based hybridization buffer  
**Classification**: RUO (research use only)  
**Description**: TOP2A DNP Probe is a dinitrophenyl (DNP) probe that spans approximately 500 Kb of the TOP2A region on chromosome 17. This probe does not contain repetitive DNA sequences.

### DIG Labeled Chromosome Probes

#### Chromosome 3 DIG Probe

**Catalog number**: 980-1222  
**Ordering Code**: 06577148001  
**Size**: One 1.25 mL vial of Chromosome 3 DIG Probe contains approximately 3.5 μg/mL of the probe formulated with human placental blocking DNA in a formamide-based hybridization buffer.  
**Classification**: RUO (research use only)  
**Description**: Chromosome 3 DIG Probe is a digoxigenin (DIG) probe that detects the centromeric region of chromosome 3.

#### Chromosome 7 DIG Probe

**Catalog number**: 980-1219  
**Ordering Code**: 06443915001  
**Size**: One 1.25 mL vial of Chromosome 7 DIG Probe contains approximately 8 μg/mL of the probe, formulated with human placental blocking DNA in a formamide-based hybridization buffer.  
**Classification**: RUO (research use only)  
**Description**: Chromosome 7 DIG Probe is a digoxigenin (DIG) probe that detects the centromeric region of Chromosome 7.

#### Chromosome 8 DIG Probe

**Catalog number**: 980-1220  
**Ordering Code**: 06453805001  
**Size**: One 1.25 mL vial of Chromosome 8 DIG Probe contains approximately 4 μg/mL of the probe, formulated with human placental blocking DNA in a formamide-based hybridization buffer.  
**Classification**: RUO (research use only)  
**Description**: Chromosome 8 DIG Probe is a digoxigenin (DIG) probe that detects the centromeric region of Chromosome 8.

#### Chromosome 10 DIG Probe (RUO)

**Catalog number**: 980-1223  
**Ordering Code**: 06577369001  
**Size**: One 1.25 mL container of Chromosome 10 DIG Probe contains approximately 4 μg/mL of the probe diluted in a buffer containing 4 mg/mL human placental DNA and approximately 50% formamide.  
**Classification**: RUO (research use only)  
**Description**: The Chromosome 10 DIG Probe is a digoxigenin (DIG) probe that detects the centromeric region of Chromosome 10.
**Chromosome 12 DIG Probe (RUO)**

- **Catalog number**: 980-1221
- **Ordering Code**: 06577296001
- **Size**: One 1.25 mL vial of Chromosome 12 DIG Probe contains approximately 3 μg/mL of the probe, formulated with human placental blocking DNA in a formamide-based hybridization buffer
- **Classification**: RUO (research use only)
- **Description**: Chromosome 12 DIG Probe is a digoxigenin (DIG) probe that detects the centromeric region of chromosome 12.

**Chromosome 13 DIG Probe**

- **Catalog number**: 980-1236
- **Ordering Code**: 07389744001
- **Size**: One 1.25 mL vial of CHROMOSOME 13 DIG Probe, contains approximately 60 μg/mL of the probe labeled with DIG formulated in a formamide-based hybridization buffer
- **Classification**: RUO (research use only)
- **Description**: The Chromosome 13 DIG Probe is a digoxigenin (DIG) probe that spans approximately 1000 Kb of the 13q11.12 region on chromosome 13. This probe does not contain repetitive DNA sequences.

**Chromosome 17 DIG Probe**

- **Catalog number**: 980-1224
- **Ordering Code**: 06577067001
- **Size**: One 1.25 mL vial of Chromosome 17 DIG Probe contains approximately 2.5 μg/mL of the probe, formulated with human placental blocking DNA in a formamide-based hybridization buffer
- **Classification**: RUO (research use only)
- **Description**: Chromosome 17 DIG Probe is a digoxigenin (DIG) probe that detects the centromeric region of chromosome 17.
DISCOVERY Products are for research use only. Not for use in diagnostic procedures.

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