

# OWIBIO PRODUCTS

## Reliability. Accuracy. Success.

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### PCR

#### Owi Taq Master Mix Ready to Load

- **Versatile:** Compatible with all species
- **Robust:** Tolerance to PCR inhibitors
- **Efficient:** Performs on GC- / AT-rich regions
- **Direct-colony PCR:** No DNA extraction required
- **Fast:** Amplification from 5 sec/kb
- **Ready-to-load:** Includes loading dye for direct gel analysis

| Reference                     | Name                             | Size                                           |
|-------------------------------|----------------------------------|------------------------------------------------|
| <a href="#">OZYA011-40</a>    | Owi Taq Master Mix Ready to Load | 1 x 1 ml,<br>40 rxns 50 µl ou 100 rxns 20 µl   |
| <a href="#">OZYA011-200XL</a> | Owi Taq Master Mix Ready to Load | 1 x 5 ml<br>200 rxns 50 µl ou 500 rxns 20 µl   |
| <a href="#">OZYA011-1000</a>  | Owi Taq Master Mix Ready to Load | 5 x 5 ml<br>1000 rxns 50 µl ou 2500 rxns 20 µl |

#### Owi Taq Hot Start Master Mix Ready to Load

- **Ready To Load:** Includes loading dye for direct gel analysis
- High Yields and High Specificity
- Highly efficient on GC/AT contents
- **Direct-colony PCR:** No DNA extraction required
- **Robust amplification:** up to 5 kb
- Master Mix format with MgCl<sub>2</sub> included

| Reference                    | Name                                       | Size                                               |
|------------------------------|--------------------------------------------|----------------------------------------------------|
| <a href="#">OZYA013-20</a>   | Owi Taq Hot Start Master Mix Ready to Load | 0,5 ml<br>20 rxns 50 µl or 50 rxns 20 µl           |
| <a href="#">OZYA013-100</a>  | Owi Taq Hot Start Master Mix Ready to Load | 2 x 1.25 ml<br>100 rxns 50 µl or 250 rxns 20 µl    |
| <a href="#">OZYA013-500</a>  | Owi Taq Hot Start Master Mix Ready to Load | 10 x 1.25 ml<br>500 rxns 50 µl or 1250 rxns 20 µl  |
| <a href="#">OZYA013-1000</a> | Owi Taq Hot Start Master Mix Ready to Load | 20 x 1.25 ml<br>1000 rxns 50 µl or 2500 rxns 20 µL |

#### Owi Aptafi Hot Start Master Mix

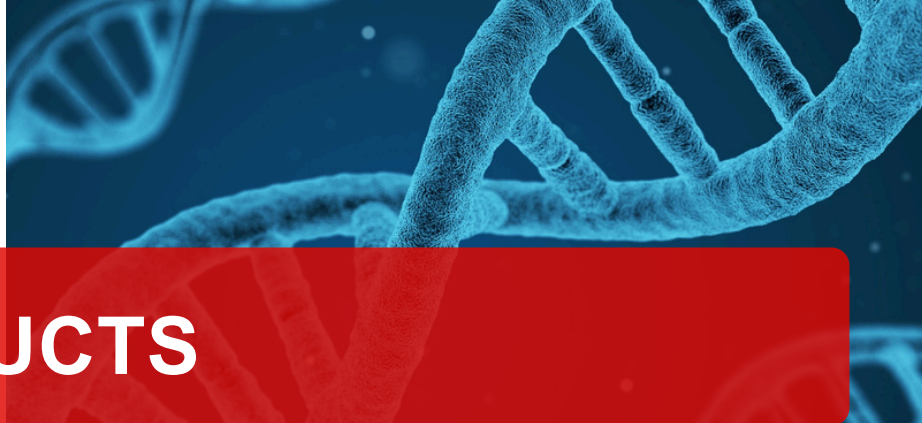
- **Ultra-High Fidelity:** 100x Higher than Taq
- **Long-range amplification:** > 17.5 kb
- **Specific Fast PCR conditions and high yields:** 10-30 s/kb
- **Proofreading enzyme:** 3'–5' exonuclease activity
- Highly-efficient on GC/AT contents
- Aptamer-Like Hot Start Technology
- Superior performance in multiplex
- **Blunt-end products:** ideal for cloning

| Reference                   | Name                            | Size                                              |
|-----------------------------|---------------------------------|---------------------------------------------------|
| <a href="#">OZYA014-20</a>  | Owi Aptafi Hot Start Master Mix | 0,5 ml<br>20 rxns 50 µl or 40 rxns 25 µl          |
| <a href="#">OZYA014-100</a> | Owi Aptafi Hot Start Master Mix | 2 x 1.25 m<br>100 rxns 50 µl or 200 rxns 25 µl    |
| <a href="#">OZYA014-500</a> | Owi Aptafi Hot Start Master Mix | 10 x 1.25 ml<br>500 rxns 50 µl or 1000 rxns 25 µl |

#### Owi dNTP Mix 40mM (10mM dATP, dCTP, dGTP & dTTP)

- Ready to use
- Purity ≥ 99% (HPLC)
- Exempt from endonuclease, exonuclease, ribonuclease, phosphatase, and nicking activities

| Reference                    | Name                                             | Size |
|------------------------------|--------------------------------------------------|------|
| <a href="#">OZYJ001-1000</a> | Owi dNTP Mix 40mM (10mM dATP, dCTP, dGTP & dTTP) | 1 ml |



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### RT-qPCR

#### Owi Script RT UltraMix with gDNA CleanUp for qPCR

- Retrotranscription (RT) for qPCR with genomic DNA removal
- **Integrated DNase** : Ensures clean cDNA, free from genomic contamination
- Sensitivity
- **All-in-One Master Mix** : Contains RNase inhibitor, Oligo(dT), random primers, dNTPs, and MgCl<sub>2</sub>
- **Fast & Easy** : Ready-to-use format with minimal hands-on time



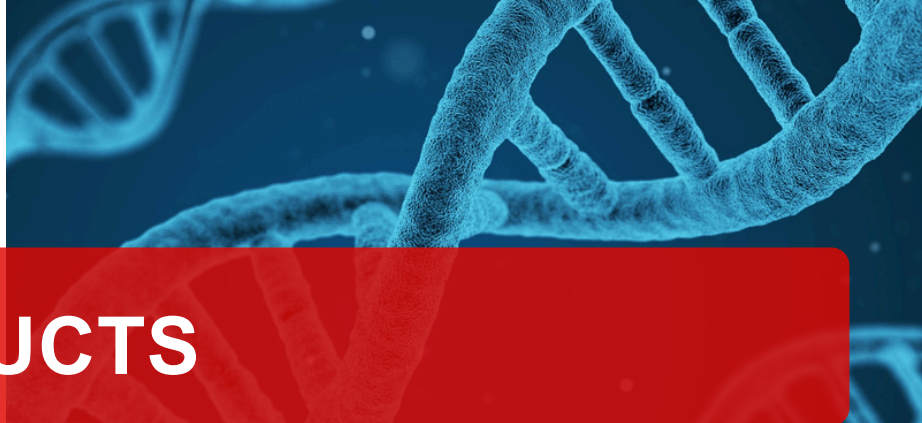
| Reference                   | Name                                              | Size                  |
|-----------------------------|---------------------------------------------------|-----------------------|
| <a href="#">OZYA012-20</a>  | Owi Script RT UltraMix with gDNA CleanUp for qPCR | 20 reactions (20 µl)  |
| <a href="#">OZYA012-100</a> | Owi Script RT UltraMix with gDNA CleanUp for qPCR | 100 reactions (20 µl) |

#### Owi Green FAST qPCR Premix

- Premix 2x including Owi Green (SYBR®/FAM channel detection)
- **Universal**: compatible with all qPCR instruments ; Rox I / Rox II or without Rox
- Performance:
  - **Sensitivity** - fewer false negatives
  - **Specificity** - more reliable results
  - **Better resolution** - more accurate and sensitive results
  - **Dynamic range** of 6-Log
- **Rapid protocol**
- Formats in 1 ml, 5 ml, 5 x 5 ml : 2x Owi Green Premix, Rox I and Rox II



| Reference                   | Name                       | Size                              |
|-----------------------------|----------------------------|-----------------------------------|
| <a href="#">OZYA008-1</a>   | Owi Green FAST qPCR Premix | 1 ml / 100 reactions (20 µl)      |
| <a href="#">OZYA008-5XL</a> | Owi Green FAST qPCR Premix | 5 ml / 500 reactions (20 µl)      |
| <a href="#">OZYA008-25</a>  | Owi Green FAST qPCR Premix | 5 x 5 ml / 2500 reactions (20 µl) |



# OWIBIO PRODUCTS

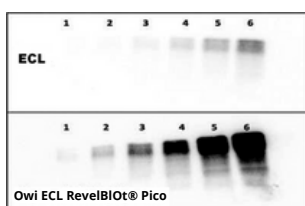
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### WESTERN BLOT

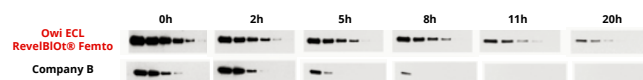
#### Owi ECL RevelBIOT® Pico 100 ml

- **High sensitivity:** detection threshold below one picogram
- **Cost-effective**
- **No optimization required**
- **Perfect for routine analysis**
- **Working solution stable for at least three days**



#### Owi ECL RevelBIOT® Femto 100 ml

- **High sensitivity :** Mid to low femtogram detection
- **High intensity** combined with long-lasting chemiluminescence
- **Working solution stable** for at least three days



| Reference                    | Name                    | Size   |
|------------------------------|-------------------------|--------|
| <a href="#">OZYB001-2500</a> | Owi ECL RevelBIOT® Pico | 250 ml |

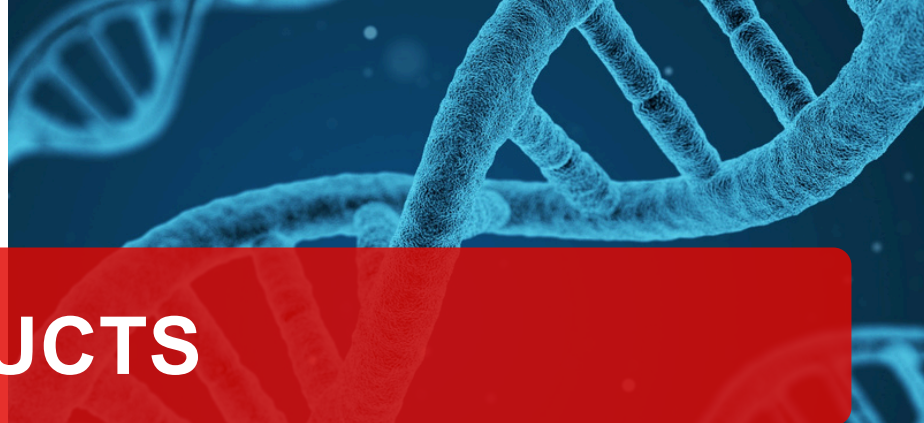
| Reference                    | Name                     | Size   |
|------------------------------|--------------------------|--------|
| <a href="#">OZYB002-1000</a> | Owi ECL RevelBIOT® Femto | 100 ml |

#### Owi EColor® Prestained Protein Marker

- **Migration range:** 6.5 to 270 kDa
- **Universal:** suitable for large and small proteins
- **Easy spotting:** tricolor (7 blue, 2 orange & 1 green bands)
- **Accurate:** high band resolution on gel
- **Quality:** premium proteins and covalent dye conjugation
- **Eco-friendly:** ecological & economical
  - 2 weeks at 25°C
  - 3 months at 4°C
  - 2 years at - 20°C

| Reference                   | Name                                  | Size                               |
|-----------------------------|---------------------------------------|------------------------------------|
| <a href="#">OZYC005-25</a>  | Owi EColor® Prestained Protein Marker | 5 lanes for 10-well gel (25 µL)    |
| <a href="#">OZYC005-500</a> | Owi EColor® Prestained Protein Marker | 100 lanes for 10-well gel (500 µL) |





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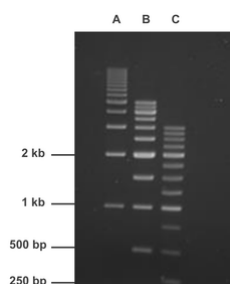
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### ELECTROPHORESIS

#### Owi Agarose Standard

- Perfect for: **PCR product analysis, Plasmid preparation, Screening, cloning, and blotting workflows**
- **Fast dissolution and quick gelling** for time-saving protocols
- **Crystal-clear transparency and low background** ensure excellent band visibility
- **Sharp, well-resolved bands** for precise interpretation
- **Very low DNA binding** to protect your valuable samples

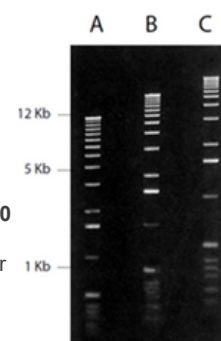


| Reference                 | Name                 | Size  |
|---------------------------|----------------------|-------|
| <a href="#">OZYI002</a>   | Owi Agarose Standard | 500 g |
| <a href="#">OZYI002-S</a> | Owi Agarose Standard | 10 g  |

#### Owi Agarose Molecular Grade - Low EEO

- **High quality molecular biology :**
  - Low Endotoxin
  - Low EEO\*: 0.05 - 0.13
  - **High gel resistance:**
    - > 1,200 g/cm<sup>2</sup> at 1%
    - > 2,500 g/cm<sup>2</sup> at 1.5 %
  - DNase- and RNase-free
- **Fragments migrations from 0.1 kb to 20 kb :**
  - TAE 1X (Tris-Acetate-EDTA) buffer for long fragments
  - 0.5X or 1X TBE (Tris-Borate-EDTA) buffer for short fragments

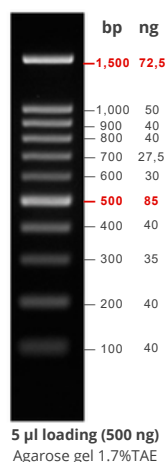
\*EEO: electroendosmosis



| Reference                 | Name                                  | Size  |
|---------------------------|---------------------------------------|-------|
| <a href="#">OZYI001</a>   | Owi Agarose Molecular Grade - Low EEO | 500 g |
| <a href="#">OZYI001-S</a> | Owi Agarose Molecular Grade - Low EEO | 10 g  |

#### Owi ExactLadder® DNA 100bp Ready to Load

- **11 sharp bands:** 100 to 1,500 bp
- **Semi-Quantitative:** assess PCR product yield
- **Ready to Load:** load directly onto gel
- **Includes 6X Loading Buffer**
- **Dual tracking dyes:** Orange G and Xylene Cyanol FF
- **Compatible with Owi EmeraldDye Safe DNA Stain**

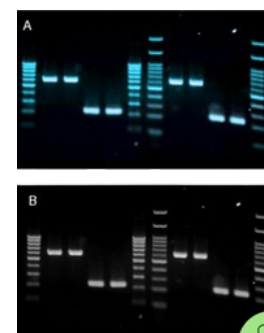


5 µl loading (500 ng)  
Agarose gel 1.7%TAE

| Reference                   | Name                                     | Size               |
|-----------------------------|------------------------------------------|--------------------|
| <a href="#">OZYC006-25</a>  | Owi ExactLadder® DNA 100bp Ready to Load | 5 lanes (25 µL)    |
| <a href="#">OZYC006-500</a> | Owi ExactLadder® DNA 100bp Ready to Load | 100 lanes (500 µL) |

#### Owi EmeraldDye Safe DNA Stain

- **Safe alternative to ethidium bromide :** non-toxic and non-carcinogenic
- **Optimized for UV light :** Main excitation wavelength 490 nm / secondary 290 nm
- **High fluorescence intensity** for sharp, clear band visualization
- **Flexible use :** suitable for both in-gel and post-stain workflows
- **Compatible with dsDNA, ssDNA, and RNA**
- **Cost-effective :** 1 mL stains over 20 liters of agarose gel.



| Reference                  | Name                          | Size            |
|----------------------------|-------------------------------|-----------------|
| <a href="#">OZY755110</a>  | Owi EmeraldDye Safe DNA Stain | 250 gels (1 mL) |
| <a href="#">OZY755110S</a> | Owi EmeraldDye Safe DNA Stain | 20 µl           |