

## Related products

| Product  | Amount        | Cat. no.  |
|--|---------------|-----------|
| Anza™ T4 DNA Ligase Master Mix                       | 50 reactions  | IVGN210-4 |
| Anza™ Alkaline Phosphatase Kit                       | 500 reactions | IVGN220-4 |
| Anza™ T4 PNK Kit                                     | 50 reactions  | IVGN230-4 |
| Anza™ DNA Blunting Kit                               | 100 reactions | IVGN240-4 |
| Anza™ DNA End Repair Kit                             | 20 reactions  | IVGN250-4 |
| One Shot™ INV110 Chemically Competent <i>E. Coli</i> | 20 reactions  | C7171-03  |
| One Shot™ TOP10 Chemically Competent <i>E. Coli</i>  | 20 reactions  | C4040-03  |

To order additional Anza™ Restriction Enzymes, go to [thermofisher.com/Anza](http://thermofisher.com/Anza)

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## Anza™ 26 Eco32I (20 U/μL)

| Cat. No.  | Size        | Lot no. | Exp. Date |
|-----------|-------------|---------|-----------|
| IVGN026-6 | 3000 units  |         |           |
| IVGN026-8 | 15000 units |         |           |

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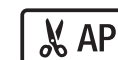
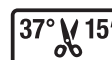
Eco32I restriction  
site



| Components             | IVGN026-6 | IVGN026-8   |
|------------------------|-----------|-------------|
| Anza™ 26 Eco32I enzyme | 150 μL    | 5 x 150 μL  |
| Anza™ 10X Buffer       | 500 μL    | 2 x 1000 μL |
| Anza™ 10X Red Buffer   | 500 μL    | 2 x 1000 μL |

**Storage**

Store at –20°C.



**For research use only. Not for use in diagnostic procedures.**

## Protocol

1. Prepare a reaction mix by adding reagents in the order indicated in Table 1.
2. Incubate at 37°C for 15 minutes.

Table 1

| Reagent  | 1 enzyme reaction                            | 2 enzyme reaction | 3 enzyme reaction |
|--|--|-------------------|-------------------|
| Nuclease-Free Water                            | As required to make up final reaction volume |                   |                   |
| Anza™ 10X Buffer <b>or</b> Anza 10X Red Buffer | 2 µL   | 2 µL              | 3 µL              |
| DNA  | 0.2–1 µg                                     | 0.2–1 µg          | 0.2–1 µg          |
| Anza™ restriction enzyme 1                     | 1 µL   | 1 µL              | 1 µL              |
| Anza™ restriction enzyme 2                     | —  | 1 µL              | 1 µL              |
| Anza™ restriction enzyme 3                     | —  | —                 | 1 µL              |
| <b>Final reaction volume</b>                   | <b>20 µL</b>                                 | <b>20 µL</b>      | <b>30 µL</b>      |

Volumes can be scaled up linearly to 5X.

## Product description

Invitrogen™ Anza™ Restriction Enzymes are part of a complete cloning system centered around the proprietary Anza™ Buffer. Anza™ restriction enzymes require no more than 15 minutes for complete digestion of any DNA substrate, but also permit digestion up to 16 hours without deleterious effects. All Anza™ restriction enzymes and Anza™ modifying cloning enzymes are fully functional in Anza™ Buffer.

## Anza™ 10X Buffer

Use Anza™ 10X Buffer for applications that require analysis by fluorescence excitation. Add  $\frac{1}{10}$  volume of 10X Loading Buffer to samples digested in Anza™ Buffer before performing electrophoresis.

## Anza™ 10X Red Buffer

Anza™ 10X Red Buffer includes a density reagent containing red and yellow tracking dyes. Load samples digested in Anza™ Red Buffer directly onto a gel for electrophoresis.