

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 E. Coli	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

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The



Anza™ 22 Smal (5 U/µL)

Cat. No.	Size	Lot no.	Exp. Date
IVGN022-6	2000 units		
IVGN022-8	8000 units		

Publication No. MAN0014147 Rev. B.0

Smal restriction 5'...C C C G G G...3' site 3'...G G G C C C...5'

Components	IVGN022-6	IVGN022-8
Anza™ 22 Smal enzyme	400 μL	4 x 400 μL
Anza™ 10X Buffer	1000 μL	4 x 1000 μL
Anza™ 10X Red Buffer	1000 μL	4 x 1000 μL

Storage

Store at -20°C.









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

Protocol

- 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 or 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
Final reaction volume	20 μL	20 μL	30 µL

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 AnzaTM 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.