

# Microinjection Service



## Bulk Order Discount

We take bulk & institute orders.



## PhiC31 System

Cat. No.	Description
B200	PhiC31 Fly Transgenesis Service Package (Midi-prep, Injection & Screening)  200-embryos microinjection, G0 cross & F1 screen (w+). We return unbalanced positive lines. We have VK33, VK37, attP2, attP40, ZH51C & ZH86Fb as regular panel of landing sites. You can also choose any other sites listed in Bloomington Stock Center and allow two generations of amplification time. We guarantee 1-3 transformants for plasmid at standard size (<13kb).
B300	PhiC31 Fly Transgenesis Advanced Service Package (Midi-prep, Injection, Screening & Balancing)
B001	PhiC31 Microinjection Service
B002	PhiC31 Screening Service with Visible Marker
B006	Screen for Vermilion Phenotype
B003	PhiC31 Balancing Service
B009	Chromosome Double Balancing Service
B004	PhiC31 Plasmid Construction & Microinjection Service Package (Cloning 2 PCR fragments < 1.5kb together, Midi-prep, Microinjection, Screening & Balancing)
B005	PhiC31 Plasmid Construction & Microinjection Service Package (Cloning 2 PCR fragments 1.5-3kb together, Midi-prep, Microinjection, Screening & Balancing)
B008	RMCE Exchange Service Package (Amplification, Midi-prep, Injection, PCR Screening, Validation & Balancing)

## P-element System

Cat. No.	Description
C200	P-element Fly Transgenesis Service Package (Midi-prep, Injection & Screening)  200-embryos microinjection, G0 cross & F1 screen (w+). We return unbalanced positive lines. We guarantee 5-8 transformants for plasmid at standard size (<13kb).

## P-element System (continued)

Cat. No.	Description
C300	P-element Fly Transgenesis Advanced Service Package (Midi-prep, Injection, Screening, Mapping & Balancing)
C001	P-element Microinjection Service
C002	P-element Screening Service with Visible Marker
C003	P-element Chromosomal Mapping & Balancing Services

## CRISPR System

Cat. No.	Description
A021	CRISPR Microinjection Service Package (Injection, Screening, Validation & Balancing)  The package includes CRISPR injection, w+ selection, genomic PCR validation and balancing. We inject CRISPR mix into more than 200 embryos of Cas9 founder line. We validate positive lines at both ends of knockin sequence to confirm the insertion site by genomic PCR. We validate 7 lines at maximum and balance the validated lines. We will sequence one of the validated line to confirm the PCR results.
A001	CRISPR Microinjection
A002	CRISPR Screening Service with Visible Marker
A004	Fluorescence Selection
A003	CRISPR Balancing Service
A008	PCR Validation Service
A005	Fly Handling Fee for Amplification
A520	CRISPR Screening Service Package - gRNA transgene  Transgenic gRNA fly stocks are provided by customer. Cross each gRNA line to a fly stock containing nos-Cas9 and screen 20 F1 fly individually by sequencing. We will analyze the sequencing results and keep frameshift deletion lines in priority. Maximum 6 deletion lines will be isogenized, balanced and shipped.

# CRISPR Service Package

## From Design to Fly — WellGenetics makes your ideas into fly

- CRISPR Service Package creates genetic tools for your research
- Your projects are designed by WG PhD scientists
- Ultimate solution for manpower shortage
- High efficiency from independent company
- We update you with milestone reports
- “From Design to Fly” also works for PhiC31 and P-element projects



## Workflow of CRISPR Service Package

Service Step	CRISPR Service Package with Selection Marker
1	Propose and quote you the best suggestions to your needs
2	Select guide RNA target sites at your preferred region(s)
3	Design repair template as donor carrying chosen knock-in cassette
4	Confirm target sites by genomic PCR in the injection strain
5	Guide RNA plasmid construction and plasmid donor construction
6	Plasmids DNA preparation & purification
7	200-embryos microinjection
8	G0 cross
9	F1 Screening by visible marker
10	Genomic PCR validation
11	Positive line isogenization and balancing
12	If the first trial fails, free second round microinjection with optimization

**Guarantee:** If both trials fail, we only charge half of the package price (Terms and Conditions apply)

### CRISPR Service Package

**You Provide** - Name of Gene & Editing Ideas.

**We Do the Rest** - CRISPR Strategy Proposal, Target Site Design, Target Site Sequencing, Cloning, Microinjection, Screening, Molecular Validation, and Balancing.



## Our Clients



Caltech Stanford UC San Diego



And More...