





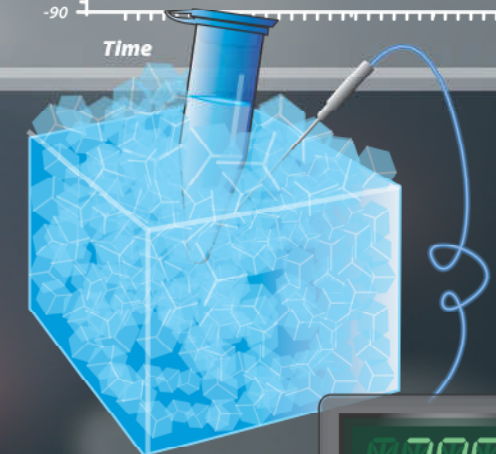
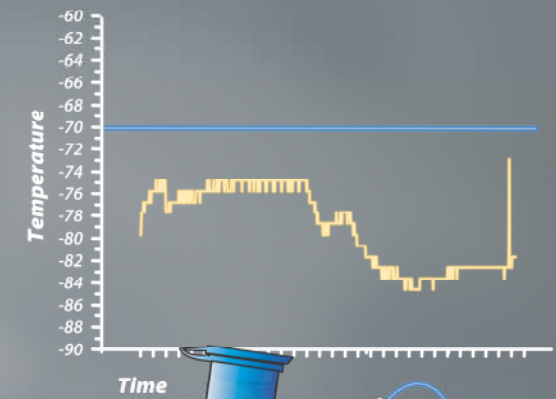
# RBC Product Selection Guide

## Shipping Guarantee

### International Shipping Temperature Report

Departure time: 06/17/03 11:16:32.0 (Departure)

Arrival time: 06/19/03 08:55:32.0 (Arrival)



HIT™ -70°C Efficiency Guarantee



### HIT™-DH5α Strain: DH5α

**HIT™-DH5α Value 10<sup>8</sup>**  
(2 x 10<sup>8</sup> transformants/μg pUC19)

Cat. No. RH617

10 vials x 100 μl Competent Cells

Cat. No. RH617-J80

80 vials x 100 μl Competent Cells

Cat. No. RH617-96

96-Well x 50 μl Competent Cells

**HIT™-DH5α High 10<sup>8</sup>**

(5 x 10<sup>8</sup> transformants/μg pUC19)

Cat. No. RH618

10 vials x 100 μl Competent Cells

Cat. No. RH618-J80

80 vials x 100 μl Competent Cells

Cat. No. RH618-96

96-Well x 50 μl Competent Cells

**HIT™-DH5α Super 10<sup>8</sup>**

(2 x 10<sup>9</sup> transformants/μg pUC19)

Cat. No. RH619

10 vials x 100 μl Competent Cells

Cat. No. RH619-J80

80 vials x 100 μl Competent Cells

Cat. No. RH619-96

96-Well x 50 μl Competent Cells

NEW

**HIT™-DH5α Bravo 10<sup>9</sup>**

(8 x 10<sup>9</sup> transformants/μg pUC19)

Cat. No. RH6110

10 vials x 100 μl Competent Cells

Cat. No. RH6110-J80

80 vials x 100 μl Competent Cells

Cat. No. RH6110-96

96-Well x 50 μl Competent Cells

Genotype:

F- (80d lacZ M15) (lacZYA-argF)U169  
hsdR17(r- m +) recA1 endA1 relA1 deoR

Most popular cloning strain worldwide.  
Recommended for General Cloning,  
TA Cloning, Blue/White Screening,  
cDNA Library Construction.



### HIT™-DH10B Strain: DH10B

**HIT™-DH10B Value 10<sup>8</sup>**  
(1 x 10<sup>8</sup> transformants/μg pUC19)

Cat. No. RH517

10 vials x 100 μl Competent Cells

Cat. No. RH517-J80

80 vials x 100 μl Competent Cells

Cat. No. RH517-96

96-Well x 50 μl Competent Cells

**HIT™-DH10B High 10<sup>8</sup>**

(2 x 10<sup>8</sup> transformants/μg pUC19)

Cat. No. RH518

10 vials x 100 μl Competent Cells

Cat. No. RH518-J80

80 vials x 100 μl Competent Cells

Cat. No. RH518-96

96-Well x 50 μl Competent Cells



Genotype:

F- endA1 recA1 galE15 galK16 nupG rpsL  
ΔlacX74 Φ80lacZΔM15 araD139 Δ(ara, leu)  
7697 mcrA Δ(mrr-hsdRMS-mcrBC) λ-T1R

For propagation of large insert DNA  
library clones.  
This strain is resistant to Streptomycin.  
Recommended for General Cloning,  
TA Cloning, Blue/White Screening,  
cDNA Library Construction.



### HIT™-Blue Strain: XL1-Blue

**HIT™-Blue Value 10<sup>8</sup>**  
(1 x 10<sup>8</sup> transformants/μg pUC19)

Cat. No. RH117

10 vials x 100 μl Competent Cells

Cat. No. RH117-J80

80 vials x 100 μl Competent Cells

Cat. No. RH117-96

96-Well x 50 μl Competent Cells

**HIT™-Blue High 10<sup>8</sup>**

(5 x 10<sup>8</sup> transformants/μg pUC19)

Cat. No. RH118

10 vials x 100 μl Competent Cells

Cat. No. RH118-J80

80 vials x 100 μl Competent Cells

Cat. No. RH118-96

96-Well x 50 μl Competent Cells

**HIT™-Blue Super 10<sup>8</sup>**

(2 x 10<sup>9</sup> transformants/μg pUC19)

Cat. No. RH119

10 vials x 100 μl Competent Cells

Cat. No. RH119-J80

80 vials x 100 μl Competent Cells

Cat. No. RH119-96

96-Well x 50 μl Competent Cells

Genotype:

recA1 endA1 gyrA96 thi-1 hsdR17 supE44  
relA1 lac [F'proAB lac<sup>+</sup> ZΔM15 Tn10(Tetr)]

Most popular Blue/White screening strain.  
Recommended for General Cloning,  
Subcloning, and TA Cloning.



### HIT™-JM109 Strain: JM109

**HIT™-JM109 Value 10<sup>8</sup>**  
(1 x 10<sup>8</sup> transformants/μg pUC19)

Cat. No. RH717

10 vials x 100 μl Competent Cells

Cat. No. RH717-J80

80 vials x 100 μl Competent Cells

Cat. No. RH717-96

96-Well x 50 μl Competent Cells

**HIT™-JM109 High 10<sup>8</sup>**

(3 x 10<sup>8</sup> transformants/μg pUC19)

Cat. No. RH718

10 vials x 100 μl Competent Cells

Cat. No. RH718-J80

80 vials x 100 μl Competent Cells

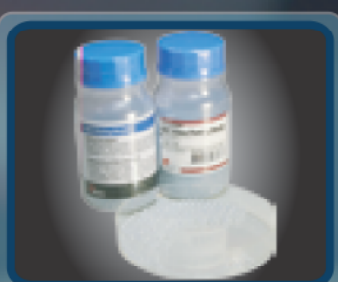
Cat. No. RH718-96

96-Well x 50 μl Competent Cells

Genotype:

e14<sup>-</sup> (McrA) recA1 endA1 gyrA96 thi-1  
hsdR17(r- m +) supE44 relA Δ (lac-proAB)  
[F' traD36 proAB lac<sup>+</sup> ZΔM15]

Rapid growth!  
Results in pickable colonies  
within 8-10 hours.  
Recommended for General Cloning,  
TA Cloning, Blue/White Screening,  
Robotic Screening,  
Gene Library Construction.



**RBC Glass Plating Beads**

Cat. No. RG001

1 x 100 g RBC Glass Plating Beads (Sterile)



### HIT™-GM2163 Strain: GM2163

**HIT™-GM2163 Value 10<sup>8</sup>**  
(1 x 10<sup>8</sup> transformants/μg pUC19)

Cat. No. RH317

10 vials x 100 μl Competent Cells

Cat. No. RH317-J80

80 vials x 100 μl Competent Cells

Cat. No. RH317-96

96-Well x 50 μl Competent Cells

Genotype:

F-ara-14 leuB6 fhuA31 lacY1 tsx78 glnV44  
galk2 galT22 mcrA dcm-6 hisG4 rfbD1  
rpsL136 dam13::Tn9 xylA5 mtl-1 thi-1  
mcrB1 hsdR2

For propagation of plasmid or cloned DNA  
to be cut with Dam or Dcm-sensitive  
restriction enzymes.  
This strain is resistant to Chloramphenicol.  
Not suitable for blue/white screening.



### HIT™-BL21 Strain: BL21 (DE3)

**HIT™-BL21 Value 10<sup>8</sup>**  
(3 x 10<sup>7</sup> transformants/μg pUC19)

Cat. No. RH217

5 vials x 100 μl Competent Cells

Cat. No. RH217-J40

40 vials x 100 μl Competent Cells

Cat. No. RH217-96

96-Well x 50 μl Competent Cells

Genotype:

E. coli B F- ompT dcm hsdSβ(rβ - mβ -)  
galλ (DE3)

Most popular strain worldwide for  
high level inducible protein expression.  
Recommended for Protein Expression.

## HIT Competent Cells™ QC

### Efficiency test and α-complementation test

Thawing HIT Competent Cells™ with RT water for 20 seconds  
until 1/3 thawed.

▽ Add 1 μl (10<sup>-6</sup> μg/μl) pUC19 (ice-bathed plasmid).

▽ Vortex 1 second.

▽ Place on ice for 5 minutes.

▽ Using RBC plating beads for plating on LB plate which is with  
50 μg/ml Amp.

▽ Immediately incubate the plate at 37°C for 16 hours.

### Ampicillin-resistance test

Thawing HIT Competent Cells™ with RT water for 20 seconds  
until 1/3 thawed.

▽ Vortex 1 second.

▽ Plate 50 μl cells on LB plate which is with 50 μg/ml Amp.

▽ Immediately incubate the plate at 37°C for 16 hours.

▽ Plate the plate at RT for 3 days (Contamination test).



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### Ordering Information

To inquire product information or to place orders, please contact your local distributor. If you have questions about ordering or distribution process, please contact us. ► [info@real-biotech.com](mailto:info@real-biotech.com)

### Technical Support

Our technical support department is staffed by experienced molecular biologists who are closely involved in the development of our products. They are committed to handling your technical inquiries quickly and efficiently. To ask technical questions, please contact us. ► [support@real-biotech.com](mailto:support@real-biotech.com)

### Satisfaction Guarantee

We hope you could be completely satisfied with products and service provided by Real Biotech Corporation. If any product and service fails to meet your expectations, please feel free to contact us anytime! We are pleased to do our best to ensure your satisfaction. ► [service@real-biotech.com](mailto:service@real-biotech.com)