

Reagents for Reliable Results

Sample Prep · DNA/RNA · PCR · SDS-PAGE · Western Blot

시료 준비부터 검출까지,
싸이노믹스 시약 라인업



DNA electrophoresis



BCS-GN10005

BCodeGen™ Agarose Powder

- 고품질의 Agarose powder
- Biotechnology grade
- 500 g



BCS-GN11075

BCodeGen™ Agarose Tablet

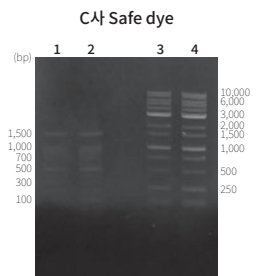
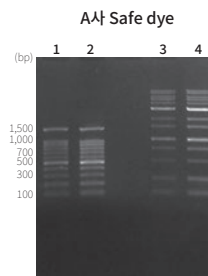
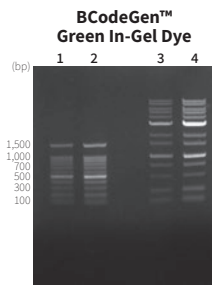
- 고품질의 Agarose 사용
- 기타 첨가물 무첨가로 전기흐름 방해 없음
- Incubation 없이 흔들어서 바로 사용 가능
- 75 tablet / 150 tablet



BCS-GN20011

BCodeGen™ Green In-Gel Dye

- EtBr 대체용 safe dye
- UV, Blue LED에서 검출 가능
- 낮은 background, 높은 signal
- 20,000×, 1 mL



1% agarose gel, Exposure time: 500 ms

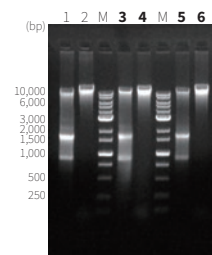
Lane 1: ZEPTO BB0511 100 bp DNA Ladder 2 μ L; Lane 2: ZEPTO BB0511 100 bp DNA Ladder 4 μ L;
Lane 3: ZEPTO BB0513 1 kb DNA Ladder 2 μ L; Lane 4: ZEPTO BB0513 1 kb DNA Ladder 4 μ L



BCS-GN21102/22102

BCodeGen™ 6× Loading Buffer

- 선명한 dye로 전기영동 정도 확인 용이
- Tip에 잘 묻지 않음
- Blue, Red color 선택 가능
- 1 mL×2, 1 mL×5



1% agarose gel

M: ZEPTO BB0513 1 kb DNA Ladder 3 μ L
1, 3, 5: DNA and RNA extracted from Mouse liver
2, 4, 6: DNA extracted from Mouse liver
1, 2: A Safe dye
3, 4: BIOCODE BCodeGen™ 6× Red Loading Buffer
5, 6: BIOCODE BCodeGen™ 6× Blue Loading Buffer



BCS-GN30010

BCodeGen™ 50× TAE Buffer

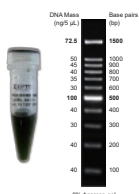
- 고순도 원료의 사용
- 고해상도 결과
- 1 L



BCS-GN31010

BCodeGen™ 10× TBE Buffer

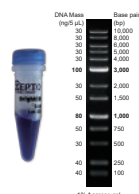
- 고순도 원료의 사용
- 작은 bp의 DNA 분리능 우수
- 1 L



BB0511

BrightBand DNA 100bp Ladder

- 넓은 범위, Sharp한 밴드
- Ready-to-Use
- Reference band (500 bp, 1.5 kb)
- 100-1,500 bp, 500 μ L



BB0513

BrightBand DNA 1Kb Ladder

- 넓은 범위, Sharp한 밴드
- Ready-to-Use
- Reference band (1 kb, 3 kb)
- 100-10,000 bp, 500 μ L

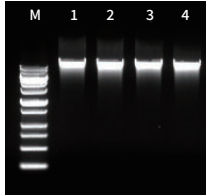


Extraction Kit



HiSP Extraction Kit

- 5-10분 이내 DNA/RNA prep 완료
- 별도의 효소 처리 과정 없음
- 전 과정 상온에서 진행



1% agarose gel

M: 1 kb DNA Ladder 3 μ L

Sample: Caudal fin of *Sebastes schlegelii*, 50 mg

Extraction kit: HiSP Tissue DNA Extraction Kit

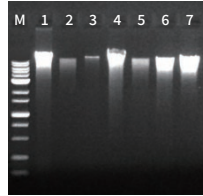
Homogenization: BIOCODE, Pre-filled Tube Kits I

Elution buffer volume: 100 μ L



HiPurify Mini Kit

- 10-20분 이내 DNA/RNA prep 완료
- 별도의 효소 처리 과정 없음
- 전 과정 상온에서 진행
- 높은 수율과 yield



1% agarose gel

M: 1 kb DNA Ladder 3 μ L

Extraction kit: HiPurify Plant DNA Mini Kit II

Homogenization: BIOCODE, Pre-filled Tube Kits I

1: *Ginkgo biloba* (leaf); 2: *Orostachys japonica* (flower);

3: *Acer palmatum* (leaf); 4: *Hibiscus syriacus* (leaf);

5: *Beta vulgaris* (leaf); 6: *Solanum lycopersicum* (leaf);

7: *Lactuca sativa* (leaf)



X-one Easy Kit

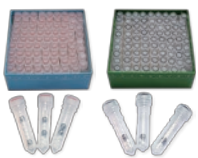
- 현장에서 빠르게 DNA/RNA prep 가능
- 별도의 시약, 장비 불필요
- 전 과정 상온에서 진행



XEB-30125/30225/30325

X-one Bead I/II/III

- 장비없이 손으로 homogenization 가능
- Homogenize 처리 후 filtering까지 가능
- Pre-filled bead 포함으로 간편한 사용
- Bead customizing 가능
- 25 set



BCS-BT13721/13722/13723

Pre-filled Tube Kits I/II/III

- 샘플에 최적화된 Pre-filled bead
- 간편한 사용, 멸균처리 완료
- Bead customizing 가능
- 80 preps



Bead

- Stainless, Zirconium bead
- Bulk type으로 경제적
- 다양한 크기의 bead 보유
- 100 g, 200 g, 400 g, 500 g



PCR Enzyme

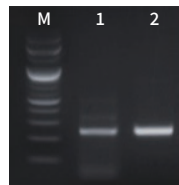


BH-10001/10005

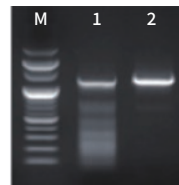
BCodeAmp™

HS Taq DNA Polymerase Master Mix

- Anti-Taq mAb 이용한 Hot-Start 기능으로 비특이적 반응 감소
- Multiplex 실험 및 분자 진단에 사용 가능
- 2X, Loading dye 포함
- 1 mL / 1 mLX5



Human COMT (238 bp)



Human GAPDH (1.2 kb)

COMT: 95°C 3 min, (95°C 30 s, 60°C 30 s, 72°C 30 s) $\times$ 35 cycles, 72°C 2 min
GAPDH: 95°C 3 min, (95°C 30 s, 62°C 30 s, 72°C 90 s) $\times$ 35 cycles, 72°C 2 min
Lane M: 100 bp DNA ladder
Lane 1: Taq DNA polymerase

Lane 2: BCodeAmp™ HS Taq DNA Polymerase

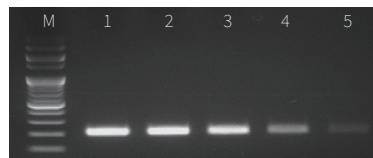


BH-20001/20002

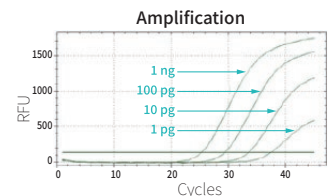
BCodeScript™

cDNA Synthesis Master Mix

- 45-60°C에서 안정된 cDNA 합성
- 최대 10 kb의 cDNA 합성
- Oligo(dT)₁₈, Random hexamer 포함
- 100 rxn/200 rxn



Sample: 213 bp fragment of human GAPDH gene
cDNA synthesis: 50°C 40 min, 70°C 15 min
Amplification: 95°C 3 min, (95°C 30 s, 60°C 30 s, 72°C 30 s) $\times$ 35 cycles, 72°C 5 min
M: 100 bp ladder, 1: 100 ng, 2: 10 ng, 3: 1 ng, 4: 100 pg, 5: 10 pg



Sample: 95 bp fragment of human β -actin gene
cDNA synthesis: 50°C 40 min, 70°C 15 min
Amplification: 95°C 5 min, (95°C 15 s, 60°C 1 min) $\times$ 45 cycles

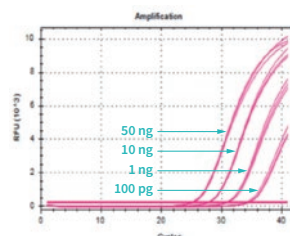


BH-33101/33105

BCodeAmp™ HighQ

2X qPCR Master Mix, SYBR Green

- 비특이적 반응을 최소화하는 최적화된 조성
- Ready-to-Use
- 빠르고 재현성 있는 결과
- 1 mL / 1 mLX5



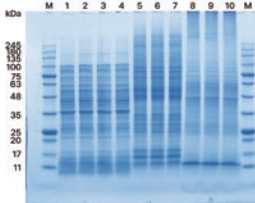
Target gene: GAPDH
Template: Human genomic DNA (50 ng, 10 ng, 1 ng, 100 pg)
PCR condition: 95°C 3 min, (95°C 10 s, 60°C 20 s) $\times$ 40 cycles

SDS-PAGE



BC-PAGE, Tris-Glycine

- Bio-Rad, BIOCIDE 전기영동장치와 호환
- 10-well (30 μ L/50 μ L), 12-well, 15-well
- 7.5%, 10%, 12%, 15%, 4-15%, 4-20%
- 10 gels/pk



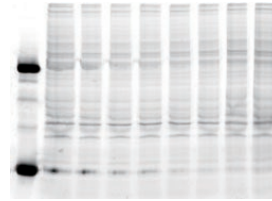
Gel: BC-PAGE, Tris-Glycine, 4-20%, 12-well

M: Prestained Protein marker (BB0312)
1~4: *E. coli* lysate; 5~7: SF9 cell lysate;
8~10: Mouse kidney lysate
Electrode buffer: BCodePro™ TGS Running Solution
Running condition: 150 V, 60 min
Staining: BCodePro™ BlueS Gel Solution, RT, 30 min
Destaining: DW, 2 hr

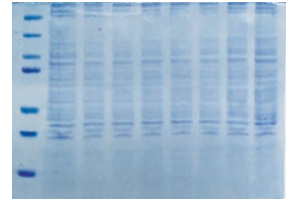


BC-PAGE, Stain-free Tris-Glycine

- Stain-free gel, 염색없이 UV조사로 밴드 확인
- Bio-Rad, BIOCIDE 전기영동장치와 호환
- 10-well (30 μ L/50 μ L), 12-well, 15-well
- 7.5%, 10%, 12%, 15%, 4-15%, 4-20%
- 10 gels/pk



UV activation (5 min)



CBB staining



BCS-PR40003/40002

BCodePro™ 10X TG/TGS Running Solution

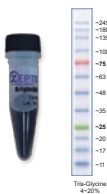
- SDS-PAGE용 표준 running buffer
- Tris-Glycine / Tris-Glycine-SDS Buffer (10X)
- DW로 희석하여 사용
- 1 L



BCS-PR40001

BCodePro™ 10X Fast Running Solution

- SDS-PAGE running buffer
- 최단 20분 이내 전기영동 완료 (300 V)
- 8% gel 전기영동 시 gradient gel 효과
- 1 L



BB0312

BrightBand PreStained Protein Standards

- Sharp한 밴드, 소량으로도 선명한 밴드
- Ready-to-Use
- 3-color (Red 75 kDa, Green 25 kDa)
- 11-245 kDa, 500 μ L



BCS-PR30001

BCodePro™ BlueS Gel Solution

- 고감도 gel staining 용액
- Methanol, acetic acid 무첨가
- 30분 이내 빠른 staining, DW로 destaining
- 1 L

Western Blotting



BCS-PR61001

BCodePro™ Fast Transfer Solution

- Semi-dry transfer solution
- 타사 장치 및 소모품과 호환 가능
- 150 kDa 이하 최단 10-15분 이내 트랜스퍼 완료
- 10X, 500 mL

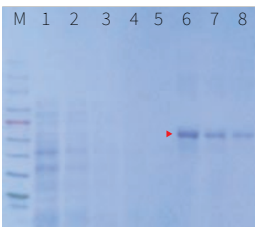


BCS-PR69001

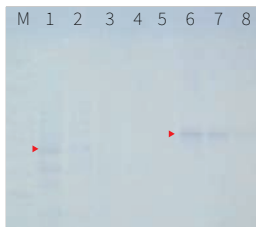
BCodePro™ Fast Transfer Pack, PVDF

- Transfer buffer, paper, membrane 일체형
- PVDF membrane activation 불필요
- 250 kDa 이하 최단 5-10분 이내 트랜스퍼 완료
- Mini-gel size, 10 blots 분량

타사 Transfer solution 사용

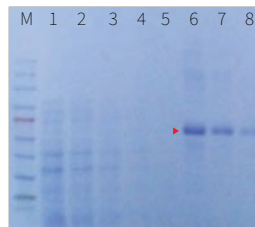


Membrane



Gel

BCodePro™ Fast Transfer Solution 사용



Membrane



Gel

Lane 1~5: *E. coli* lysate, 1/2 serial dilution
Lane 6~8: BSA 2 μ g, 1 μ g, 0.5 μ g
트랜스퍼 후
Membrane은 BlueS Membrane Solution,
Gel은 BlueS Gel Solution으로 Staining



BCS-PR62001

BCodePro™ Transfer pad

- Transfer용 Filter paper 대체용품
- 저항이 낮아 발열을 최소화
- Semi-dry transfer: 9 $\times$ 7 cm, 30 rxn 분량
- Wet transfer: 9 $\times$ 7 cm, 45 rxn 분량



BCS-PR68025

BCodePro™ Ready-to-Sandwich, PVDF

- 구성 (1 rxn): Filter paper 2장 + membrane 1장
- pore size: 0.2 μ m
- Wet transfer 사용 권장
- 8.3 $\times$ 7.3 cm, 20 rxn 분량



Western Blotting



BCS-PR51105/51505

BCodePro™ Blocking Solution

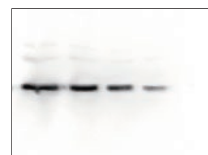
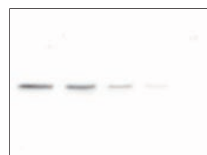
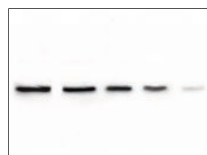
- 30-60분 이내에 blocking 완료
- Protein-free로 낮은 background
- BSA, casein, skim milk 대체 가능
- 1X, 5X / 500 mL

BEST PICK

BCodePro™ Blocking Solution

5% Skim milk

5% BSA



HeLa cell lysate
Blocking: 1 hr
Primary antibody: Anti GAPDH, 1: 10,000, 1 hr
Secondary antibody: Anti Mouse IgG-HRP, 1:10,000, 1 hr



BSC-PR32001

BCodePro™ BlueS Membrane Solution

- 3분 만에 빠른 염색 완료
- 고감도 검출, 특이적으로 단백질만 염색
- DW로 간편하게 세척
- Destaining solution 사용 시 염색 완전 제거
- for 50 sheets of mini size membrane



BCS-PR31001

BCodePro™ Ponceau S Solution

- 5분 이내에 빠른 염색 완료
- Ready-to-Use, 희석없이 바로 사용
- DW로 빠르고 간편하게 세척
- 500 mL



BCS-PR20001

BCodePro™ BrightSignal Pico ECL Solution

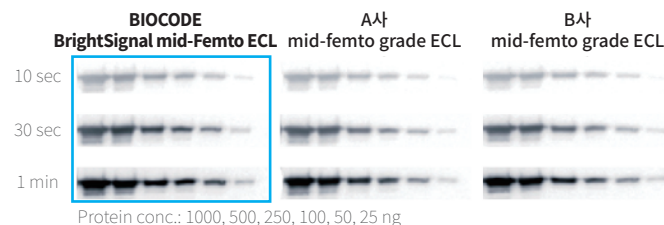
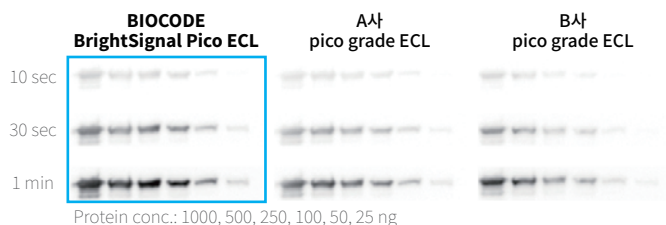
- Pico grade ECL
- A, B 혼합 후 최대 24시간 signal 지속
- 50 mL×2



BCS-PR21001/21002

BCodePro™ BrightSignal mid-Femto ECL Solution

- Mid-femto grade ECL
- A, B 혼합 후 최대 24시간 signal 지속
- 50 mL×2, 250 mL×2



R1002

KwikQuant Ultra Digital-ECL Substrate Solution

- Femto grade ECL
- 1 fg까지 검출하는 초고감도
- 미국 Kindle Biosciences사 제품
- 50 mL×2

BEST PICK



BCS-PR70100

BCodePro™ Membrane Shield

- 촬영 중 Gel, Membrane 건조 방지
- 발광 및 형광 방해하지 않는 재질
- Membrane 크기에 알맞은 16×11 cm 크기
- 100 sheets/pk



BCS-PR70201

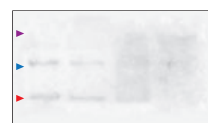
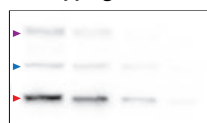
BCodePro™ Stripping Solution

- 빠르고 효과적인 항체 제거
- 상온에서 반응 (10~30분)
- BandKeeper로 단백질 손상 최소화 (별도 구매)
- 1X, 500 mL

BCodePro™ Stripping Solution

A사 buffer

Hand-made Buffer



반복 stripping 후 재검출 (1st: β -actin (Blue) $\rightarrow$ α -tubulin (Purple) $\rightarrow$ GAPDH (Red))
Sample: HeLa cell lysate
Secondary antibody: Anti Mouse IgG-HRP, 1:10,000, 1 hr

