

**SSP Typing from Dynal Biotech...**



**...Experts in Complex Design**

## Dynal AllSet<sup>+</sup>™ SSP

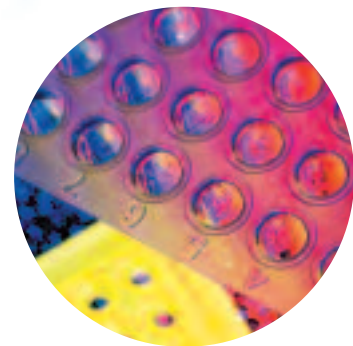
### Benefits:

- Convenient Product Format
- Rapid – suitable for on-call typing
- Easy technique and interpretation
- Convenient shipping and storage conditions
- Frequently updated to include new alleles
- Superior Technical and Customer Service
- Same thermal cycling parameters for all products allowing building blocks for multi-loci typing (e.g. A, B, DR)



### Features:

- One technique for all products
- Ready to use pre-aliquoted primers
- Master Mix included
- Eliminates human pipetting errors
- Reduces time
- Colour coded primer mix 1
- Stored at 2-8°
- Results interpretation software - SSPTool™ supplied free of charge
- For *In Vitro* Diagnostic Use



# Pel-Freez SSP UniTray®

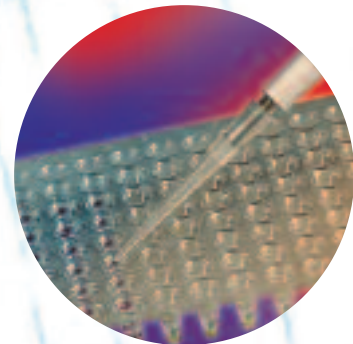
## Benefits:

- Comprehensive product portfolio
- Documentation updated to reflect new alleles on existing kits
- Colour change guides next steps, reducing pipetting errors
- Paraffin oil reduces evaporation and lessens the level of random failures and repeats – saves time and cost
- Post amplification analysis is simple and can be performed with the UniMatch™ Plus Software for easy interpretation



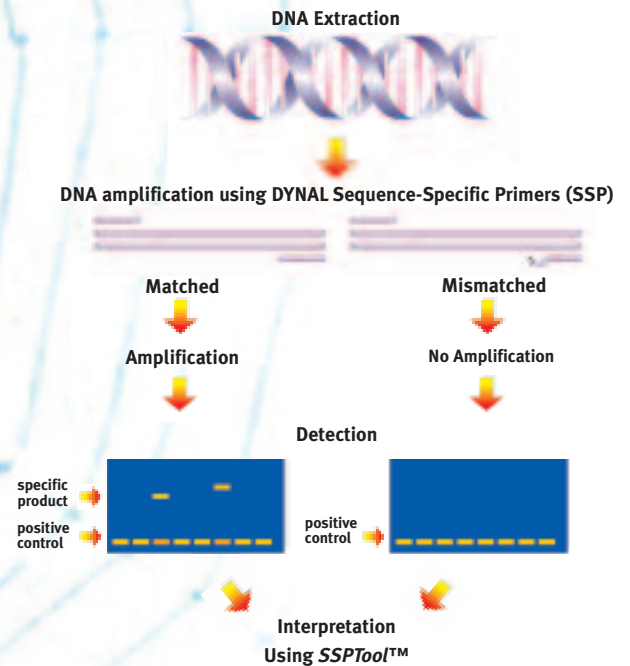
## Features:

- An extensive product line with multiple options for both low and high resolution typing
  - Complete line of Class II High Resolution kits
  - Extensive and developing range of Class I High Resolution kits
  - Unique range of Direct to High Resolution Single Tray kits for allelic level typing
- Allele Updates
- Liquid primers overlaid with paraffin oil
- Colour change with the addition of master mix
- Each test contains a negative contamination control
- Same thermal cycling parameters for all kits
- Roche license available with all UniTray® products
- For *In Vitro* Diagnostic Use



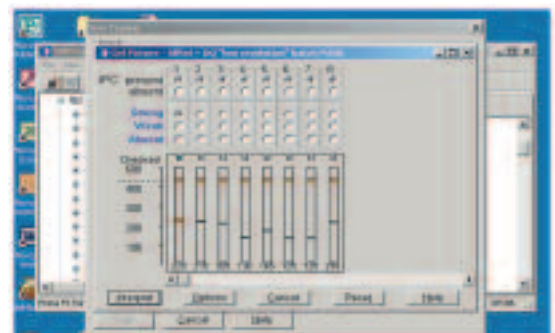
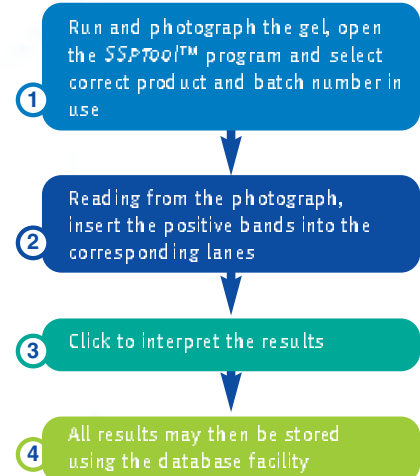
## Principle of Dynal SSP

- Products consist of panels of primer mixes where each primer mix contains one or more specific primer pairs
- A perfectly matched primer will be more efficiently used in the PCR reaction than a primer with one or several mismatches in its 3-end.
- The PCR-SSP technique provides a high degree of resolution



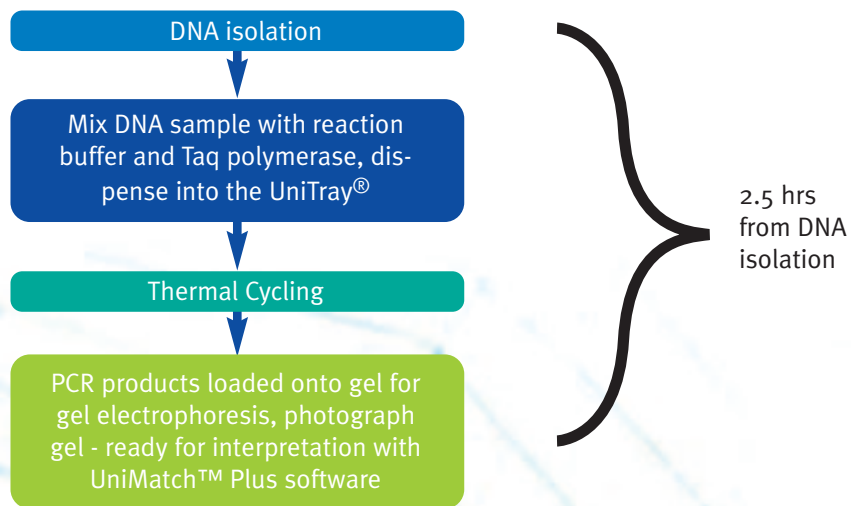
## Dynal SSPTool™

- Specially designed software for use with Dynal SSP
- PC-based computer software to AID SSP results interpretation
- Is continuously updated with new products via e-mail – every 2-3 weeks depending on number of newly released kits/batches
- Compatible with Windows 95, Windows 98, Windows ME, Windows NT4 & Windows 2000
- Easy to use



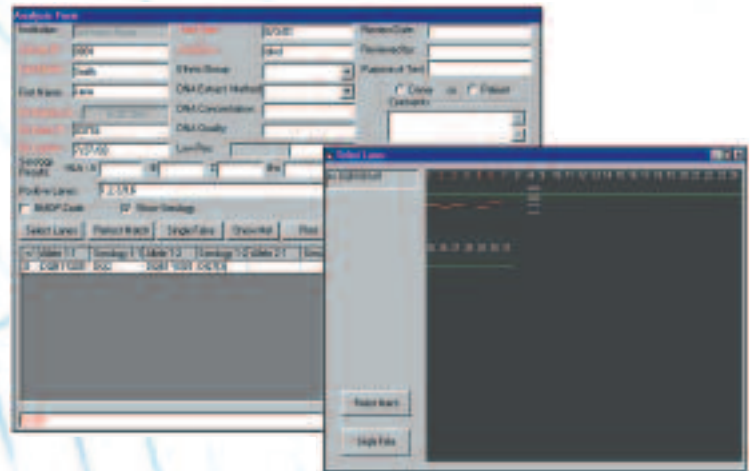
## Principle of Pel-Freez SSP

- SSP has a high degree of resolution, with each primer pair detecting polymorphisms linked on an individual chromosome – a feature that facilitates the typing of heterozygous individuals
- The SSP UniTray® consists of various formulations of allele or group specific primer mixes that are used to amplify genomic DNA in a 96- well thermal tray



## UniMatch™ Plus software

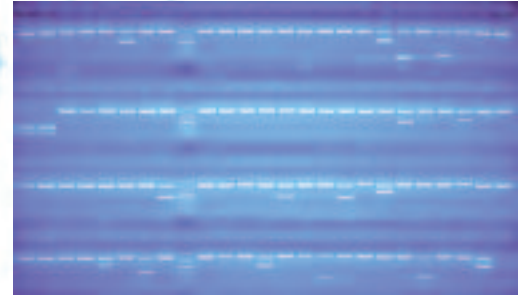
- User-friendly analysis software program
- For use with all UniTray® products
- Easy 'Point and Click' data entry
- Flexible results display format – ability to hide or display both NMDP codes and serologic equivalents
- Multi-Field Search Including Allele Specificity Search
- Multiple kit storage capability – ability to store results from multiple kits for one patient



# Locus Specific High Resolution SSP UniTray®

In addition to an extensive line of low resolution and allele specific kits, **now New Locus Specific High Resolution!**

A simple, convenient, cost-effective technique for High Resolution typing



## Features:

- Straight from genomic DNA to high resolution results, no need for initial low resolution typing
- Allele level typing with a single tray
- Unique reaction pattern for most common alleles
- Can resolve ambiguities seen with other typing techniques
- Same procedure and thermal cycling conditions as all SSP UniTray® products
- Compatible with UniMatch™ Plus software
- Negative control included in all products

## Benefits:

- Saves time and cost
- Fewer kits to inventory and QC
- Allele level typing results
- Cost effective alternative for ambiguity resolution
- Easy data analysis

## Range Overview:

Product Code	Description	No. PCR Reactions	No. Tests per kit
47290-10	A Locus High Res SSP UniTray®	96	10
47291-10	A Locus High Res SSP UniTray® w/Taq	96	10
47300-10	B Locus High Res SSP UniTray®	96	10
47301-10	B Locus High Res SSP UniTray® w/Taq	96	10
47190-10	Cw High Res SSP UniTray®	72	10
47191-10	Cw High Res SSP UniTray® w/Taq	72	10
45150-10	DRB96 SSP UniTray®	96	10
45151-10	DRB96 SSP UniTray® w/Taq	96	10
45140-4	DQB1 SSP UniTray®	32	12
45141-4	DQB1 SSP UniTray® w/Taq	32	12
45170-3	DQA1 SSP UniTray®	24	12
45171-3	DQA1 SSP UniTray® w/Taq	24	12
45160-6	DPB1 SSP UniTray®	48	12
45161-6	DPB1 SSP UniTray® w/Taq	48	12

# Molecular Accessories

## DNA Isolation

### ✓ Pel-Freez DNA Isolation Kit

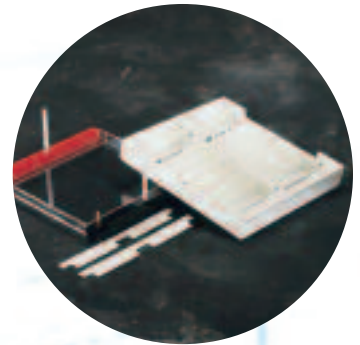
- Modified Salting-out technique
- Produces a high yield and quality of DNA in under 1 hour
- Excellent results from old and frozen samples
- Flexible scaling – sample size is not limited by column size
- Suitable for PCR and other downstream applications
- DNA is stable for long-term storage



## Gel Electrophoresis

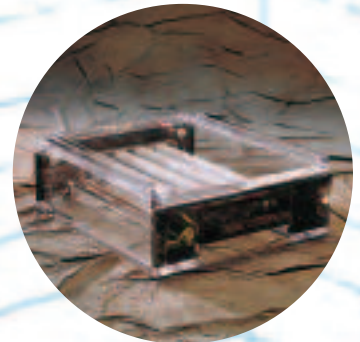
### ✓ Electro-Fast<sup>®</sup> Gel Electrophoresis system

- 96 well system
- Fast, convenient and cost-effective
- Increased throughput – saves time and money
- Compatible with multi-channel pipettes
- For use with *AllSet*<sup>+</sup><sup>™</sup>, *CombiSet*<sup>+</sup><sup>™</sup> and *SSP UniTray*<sup>®</sup>



### ✓ OWL Centipede<sup>™</sup> Model D3-14 Gel Electrophoresis system

- 96 well system
- Larger well sizes for easy loading and interpretation
- Compatible with multi-channel pipettes
- For use with *AllSet*<sup>+</sup><sup>™</sup>, *CombiSet*<sup>+</sup><sup>™</sup> and *SSP UniTray*<sup>®</sup>



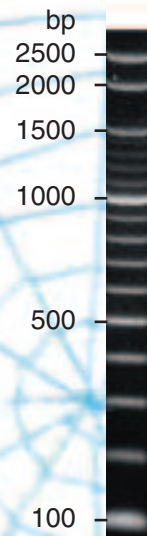
## Reagents

### ✓ DNA Grade Agarose

- High sieve capacity for optimal resolution
- Low sulphur content allows gels to run faster without becoming brittle
- No DNase or RNase activity

### ✓ PCR Markers

- Ready to use
- For use in agarose gel electrophoresis for accurate analysis of PCR product sizes
- Available in 50-2000 bp, 100 bp and 50-500 bp





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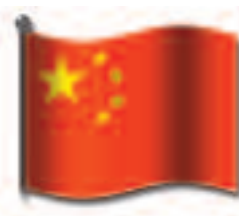
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# Product Range at a glance... One Stop Shop

UniTray® SSP Kits	PRODUCT	VOLUME
78000-10BY	ABC	10 tests
78900-20BY	ABC Repeat Set	20 tests/tube
78100-10BY	AB/DR	10 tests
78500-10BY	AB/DR/DQ	10 tests
78600-10BY	A-Locus	40 tests
78700-10BY	B-Locus	20 tests
78300-10BY	C-Locus	40 tests
78400-10BY	DR/DQ 2T	20 tests
78410-10BY	DR/DQ 3T	30 tests
78200-10BY	DR4T	40 tests
45120-3BY	DRB3	12 tests
45100-2BY	DRB4	12 tests
45130-2BY	DRB5	12 tests
45000-2BY	DRB1*01	12 tests
45030-3BY	DRB1*03	12 tests
45040-4BY	DRB1*04	12 tests
45110-2BY	DRB1*07	12 tests
45050-4BY	DRB1*08	12 tests
45060-4BY	DRB1*11	12 tests
45070-2BY	DRB1*12	12 tests
45080-4BY	DRB1*13	12 tests
45090-4BY	DRB1*14	12 tests
45010-2BY	DRB1*15	12 tests
45020-2BY	DRB1*16	12 tests
47120-2BY	A*01	12 tests
47020-4BY	A*02	12 tests
47060-2BY	A*03	12 tests
47200-4BY	A10	12 tests
47080-2BY	A*11	12 tests
47210-4BY	A19	12 tests
47170-2BY	A*23	12 tests
47130-3BY	A*24	12 tests
47180-2BY	A*68	12 tests
47040-3BY	B*07	12 tests
47070-2BY	B*08	12 tests
47280-2BY	B*13	12 tests
47090-2BY	B*14	12 tests
47010-6BY	B*15	12 tests
47230-3BY	B17	12 tests
47150-2BY	B*18	12 tests
47270-2BY	B21	12 tests
47250-3BY	B22	12 tests
47000-3BY	B*27	12 tests
47100-4BY	B*35	12 tests
47240-2BY	B*38	12 tests
47160-3BY	B*39	12 tests
47050-4BY	B*40	12 tests
47220-2BY	B*45	12 tests
47030-3BY	B*44	12 tests
47110-3BY	B*51	12 tests
47260-2BY	B*52	12 tests
<b>DIRECT TO HIGH RESOLUTION SSP</b>		
47290-10BY	A High Res SSP	10 tests
47300-10BY	B High Res SSP	10 tests
47190-10BY	Cw High Res SSP	10 tests
45150-10BY	DRB96	10 tests
45140-4BY	DQB1	12 tests
45160-6BY	DPB1 SSP	12 tests
45170-3BY	DQA1 SSP	12 tests
<b>OTHER SSP ITEMS</b>		
78920-10BY	Cytokine Genotyping Kit	20 tests
78930-3BY	KIR Genotyping SSP Kit	12 tests
78999-1BY	DNA Wipe Test	128 PCR reactions
<b>SOFTWARE</b>		
79011-1AW	UniMatch Software CD	1 CD

MOLECULAR ACCESSORIES	PRODUCT	VOLUME
92000-1AW	Electro-Fast® Gel System	1
92001-1AW	Fluorescent Numbering Panel	1
92002-1AW	Single 9-tooth Comb	1
92003-1AW	End Dams	1 set
80000-1AW	OWL Centipede™ Gel System	1
81000-1AW	Single 1.5mm Comb	1
81001-1AW	Fluorescent Numbering Panel	1
82001-1AW	Casting Chamber	1
82002-1AW	Replacement Gaskets	1 pair
83000-1AW	Gasketed UV-Transparent Gel Tray for OWL Centipede™	1
<b>ISOLATION KITS</b>		<b>VOLUME</b>
76100-1AW	DNA Isolation Kit	50 isolations
<b>REAGENTS</b>		<b>VOLUME</b>
74601-250AX	PCR Markers, 50-2000bp	250 µl
74602-250AX	PCR Markers, 100 bp ladder	250 µl
74605-250AX	PCR Marker 50-500 bp	250 µl
75000-500AW	Agarose	500 g
74100-1BY	PCR Amplification Buffer GL	580 µl
90000-1AW	Heat Block	1

Dynal AllSet+™ SSP Products	PRODUCT	VOLUME
1001.21-AV	AllSet+ DRB1*07	20 tests
514.21-AV	CombiSet+ A/B	10 tests
550.21-AV	AllSet+ DR low resolution	20 tests
551.21-AV	AllSet+ DRB1*01	20 tests
552.21-AV	AllSet+ DRB1*04	20 tests
556.21-AV	AllSet+ DQA1	20 tests
558.21-AV	AllSet+ B27 low resolution	48 tests
559.21-AV	AllSet+ DRB1*08/12	20 tests
560.21-AV	AllSet+ DRB1*11	20 tests
562.21-AV	AllSet+ DRB1*13	20 tests
563.21-AV	AllSet+ DRB1*15/16	20 tests
564.21-AV	AllSet+ DQ low resolution	20 tests
565.21-AV	AllSet+ DRB1*14	20 tests
566.21-AV	AllSet+ DRB1*03	20 tests
568.21-AV	AllSet+ A low resolution	20 tests
573.21-AV	AllSet+ B low resolution	20 tests
574.21-AV	AllSet+ DRB3	20 tests
575.21-AV	AllSet+ DRB4	20 tests
576.21-AV	AllSet+ DRB5	20 tests
577.21-AV	AllSet+ Cw low resolution	20 tests
578.21-AV	AllSet+ DPB1	20 tests
580.21-AV	AllSet+ DQB1*02/04	20 tests
581.21-AV	AllSet+ DQB1*03	20 tests
582.21-AV	AllSet+ DQB1*05	20 tests
583.21-AV	AllSet+ DQB1*06	20 tests
<b>ACCESSORIES</b>		
990.03-AV	AllSet+ Negative Control	24 tests
990.05-AV	AllSet+ General Contamination Control	24 tests
990.99-AW	PCR Sealing Sheets	20 sheets

For your convenience, all of our products are coded to give our required conditions for shipping and storage. This coding immediately follows the product code number – example – 14900-1BZ

## Shipping Conditions

A Ambient  
B Dry Ice

## Storage Conditions

V 2-8°C  
W Ambient  
X +5°C  
Y -20°C  
Z -55°C or colder

**NOTE:** Any UniTray® SSP Kit (excluding Cytokine and KIR Genotyping kits) can be ordered as a licensed kit which includes *Taq* Polymerase. Simply use the existing order code for the product you require and change the 5th digit to a '1' e.g to order a licensed B\*51 kit (product code 47110-3BY) use order number 47111-3BY



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